

**OPEN PRINCIPAL USER PROCESSOR (OPUP) GROUP  
SOFTWARE BUILD 6.0**

**DOPPLER METEOROLOGICAL RADAR  
WSR-88D**



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COMMERCE, THE AIR FORCE, THE NAVY, AND TRANSPORTATION

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**DoD APPROVAL:**



Digitally signed by Ed Berkowitz  
DN: CN = Ed Berkowitz, C = US, O  
= ROC, OU = Program Branch  
Reason: I am approving this  
document  
Date: 2004.08.20 14:38:49 -05'00'

**BY ORDER OF THE SECRETARY OF THE AIR FORCE**

**JOHN P. JUMPER, General, USAF**  
**Chief of Staff**

**Date** \_\_\_\_\_

**Edward L. Berkowitz, Chief**  
**Program Branch**  
**Radar Operations Center**  
**TOMA**

**1. SUBJECT**

Open Principal User Processor (OPUP) Group Software Build 6.0.

**2. PURPOSE**

This modification provides instructions and software for loading OPUP Build 6.0 software. This document is issued under Radar Operations Center (ROC) Engineering Change Proposal (ECP) 0196, OPUP Software Build 6.0.

OPUP Software Build 6.0 provides the following enhancements:

- New “sudo” command simplifies access to root level commands.
- Snow Accumulation Products, new to RPG Build 6.0, can be displayed.
- All alerts are now acknowledged via a single pop-up window.
- New GUIs have been added for screen saver, screen lock, and power save functions.
- PAM software patch is incorporated into the software load CDs.
- Only one OPUP Manager can be open at a time on different workstations.

For additional information concerning this document, contact the Radar Operations Center (ROC) WSR-88D Hotline, Norman, OK; phone number: (800) 643-3363 or (405) 573-8900 or by e-mail at [NEXRAD.Hotline@noaa.gov](mailto:NEXRAD.Hotline@noaa.gov). An electronic copy of this document can be found at the following Internet address:

[www.roc.noaa.gov/ssb/sysdoc/techman/tmlinks.asp](http://www.roc.noaa.gov/ssb/sysdoc/techman/tmlinks.asp)

**3. SITES AFFECTED**

See [ATTACHMENT 5](#) for site effectivity.

**4. ESTIMATED COMPLETION DATE**

This modification must be reported completed no later than 60 days after the date the kit was shipped. It is the responsibility of the site to report the completion of the software load.

**5. EQUIPMENT AFFECTED**

Open Principal User Processor Group.

**6. SPARES AFFECTED**

Not applicable.

**7. MODIFICATION ACCOMPLISHED BY**

Site electronic systems analysts and/or electronics technicians will accomplish this task. One technician is required to perform these procedures.

**8. MATERIAL REQUIRED**

The following kit will be required to install OPUP Software Build 6.0.

| <b>Nomenclature</b>                    | <b>Qty</b> |
|--|------------|
| CD-ROM, OPUP LOAD MEDIA Build 6.0      | 4          |
| Release Notes, OPUP Software Build 6.0 | 1          |

**9. SOURCE OF MATERIALS**

The items in paragraph 8 will be shipped to each site by the National Weather Service (NWS) ROC.

**10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED**

Not applicable.

**11. TIME AND PERSONNEL REQUIRED**

| <b>Work Phases</b> | <b>Work-hours<br/>Small OPUP</b> | <b>Work-hours<br/>Medium &amp; Large OPUP</b> |
|--------------------|----------------------------------|---|
| Unpacking          | 0.25                             | 0.25  |
| Disassembly        | 0.0                              | 0.0   |
| Installation       | 4.0                              | 6.0   |
| Assembly           | 0.0                              | 0.0   |
| Operational Check  | 0.25                             | 0.25  |
| Total Work-hours   | 4.5                              | 6.5   |

## 12. DOCUMENTS AFFECTED

- a. **Maintenance Instructions, Open Principal User Processor (OPUP), Revision 1, dated 30 September 2004.**

**15 January 2004**

NWS: EHB 6-538

AIR FORCE: AFTO 31P1-4-108-458-2

NAVY: EM400-A3-MMO-010

- b. **Maintenance Instructions, Open Principal User Processor (OPUP), Medium/ Large, Revision 1, dated 30 September 2004.**

NWS: EHB 6-537

AIR FORCE: AFTO 31P1-4-108-459-2

NAVY: EM400-A4-MMO-010

## 13. VERIFICATION STATEMENT

This modification was successfully installed at Barksdale AFB, LA, and Elmendorf AFB, AK.

## 14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIALS

Retain the previous software build media in a safe location.

## 15. PROCEDURES

Perform the procedures that apply to your site:

- [ATTACHMENT 1](#), SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES
- [ATTACHMENT 2](#), MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES
- [ATTACHMENT 3](#), LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES
- [ATTACHMENT 4](#), SWITCH CONFIGURATION LOAD PROCEDURES

Small OPUP sites will not perform [ATTACHMENT 4](#).

The NEXRAD site Unit Radar Committee (URC) chairman must coordinate downtime with all dedicated users in accordance with Interagency NEXRAD Operation Memorandum of Agreement (MOA).

## 16. FAA DISTRIBUTION

Not applicable.

**17. CHANGES TO TABLE OF CONTENTS (FAA)**

Not applicable.

**18. RECOMMENDATIONS FOR CHANGES (FAA)**

Not applicable.

**19. REPORTING INSTRUCTIONS**

Update the AFTO Form 95 to show TCTO compliance. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.

In addition, complete [ATTACHMENT 6](#) and return the information to the ROC by one of the four methods below:

- (1) Mailing Address: Program Branch, Configuration Management Team  
WSR-88D Radar Operations Center  
3200 Marshall Ave., Suite 101  
Norman, Oklahoma 73072-8028
- (2) FAX Number: (405) 573-3480  
ATTN: Configuration Management Team
- (3) E-mail Address: [NEXRAD.CM.comments@noaa.gov](mailto:NEXRAD.CM.comments@noaa.gov)
- (4) Web Version: <http://www.roc.noaa.gov/ssb/logistics/completion.asp>

ATTACHMENT 1

SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

**Tool Required:**

Cisco Configuration Cable (part number 72-3383-01)

**Initial Conditions:**

- All software input information described in step 2, up to the dashed line, must be obtained **before** step 3 of the software load procedure. A software input parameters fill-in/checklist is provided for this purpose. Safeguard all IP-addresses and Passwords used to complete the following software load procedure.

**NOTES**

In the following procedures, when **<Return>** is printed in command lines, it means to press the **<Return>** or **<Enter>** key, whichever is appropriate.

Use the **<Delete>** key to correct typographical errors.

| Step | Action/Response   | Comments |
|------|---|----------|
| 1.   | Obtain the following items: <ul style="list-style-type: none"><li>• OPUP LOAD MEDIA CD-ROMs (4) provided in the kit and the software input parameters.</li><li>• Cisco Configuration Cable (part number 72-3383-01)</li></ul> |          |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 2.   | <p>Fill in the software input parameters listed below:</p> <p>root password:_____</p> <p>opupmgr Password:_____</p> <p>Security Level 1 Password:_____</p> <p>Security Level 2 Password:_____</p> <p>Security Level 3 Password:_____</p> <p>Number of Dial Phone Lines:_____</p> <p>Point of Contact Name:_____</p> <p>Point of Contact Phone Number:_____</p> <p>Current Router Password:_____</p> <p>New Router Password:_____</p> <p>Current Enable Password:_____</p> <p>New Enable Password:_____</p> <p>-----</p> <p>The following information will be displayed and/or selected and is to be recorded here during the software installation:</p> <p>System Type:_____</p> <p>Site Name:_____</p> <p>Network:_____</p> <p>OPUP Dataserver IP-Address:_____</p> <p>Cisco Router IP-Address:_____</p> <p>OPUP Base to Install: _____</p> <p>Select Base Installation: _____</p> <p>User Name:_____</p> <p>User Password:_____</p> | <p>It is important that the “Current Router Password” and “Current Enable Password” are known prior to continuing with the software load. If these Passwords are not known, contact the WSR-88D Hotline for instructions on determining these Passwords. The remainder of these Passwords (e.g., root, opupmgr, and security levels) are set during the load, even if they are unknown prior to the load.</p> |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments |
|---|--|----------|
| <p style="text-align: center;"><b>NOTE</b></p> <p>There is no merge forward of any Site Adaptation Data from Build 5.0 to Build 6.0. Therefore each site must print (if a printer is on your system) or manually copy all modified adaptable parameters before Build 6.0 is loaded as the existing Build 5.0 parameters will ALL BE ERASED during the load.</p> |  |          |
| 3.  | <p>Review the following windows in the Status and Control GUI and save your site's appropriate data:</p> <ul style="list-style-type: none"> <li>• Product Request window (Canned Request Sets)</li> <li>• Alert Request window (Alert Areas &amp; Alert Categories)</li> <li>• Map Edit window (Map Edits)</li> <li>• Adaptation window (Display tab)</li> <li>• Autodial window (Saved Sets)</li> </ul> |          |
| 4.  | <p>Review the following windows in the OPUP Manager GUI and save your site's appropriate data:</p> <ul style="list-style-type: none"> <li>• OPUP Users Menu (OPUP Users)</li> <li>• OPUP Archive Menu (Create Products Archive - Save site-created cases to CD-ROM)</li> </ul>   |          |
| 5.  | <p>At the Server UD86A2, press and hold the power button located near the left center of the server until the power LED turns off and the monitor goes blank.</p> <p>This takes approximately 5 to 10 seconds.</p>   |          |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments  |
|---|---|---|
| 6.  | <p>Ensure the following peripheral devices are connected and powered on:</p> <ul style="list-style-type: none"> <li>• Monitor UD86A1</li> <li>• Switch UD86A5</li> <li>• External Dedicated Modem UD86A6</li> <li>• Archive IV Device UD86A7</li> <li>• Communication Router UD86A8</li> <li>• Video Splitter UD86A9*</li> <li>• UPS UD86A10</li> <li>• Printer UD86A12*</li> <li>• Second External Dedicated Modem UD86A13*</li> </ul> | Items shown with an * are optional for the Small OPUP and are not installed at all sites. |
| 7.  | At the rear of the Server UD86A2, disconnect the UPS Serial Cable 86W4 from the server port labeled SERIAL.   |   |
| 8.  | At the rear of the Server UD86A2, connect the 9-pin connector end of the Cisco Configuration Cable (part number 72-3383-01) to the server port labeled SERIAL.  |   |
| 9.  | At the rear of the Communication Router UD86A8, connect the other end of the Cisco configuration cable into the CONSOLE port.   |   |
| <p style="text-align: center;"><b>NOTES</b></p> <p>Prior to continuing to the next two steps, locate on the keyboard, the <b>&lt;Stop&gt;</b> key (far upper left side of keyboard) and the <b>&lt;A&gt;</b> key. These keys will be utilized to interrupt the boot process. If the system proceeds through the initial boot process before it is stopped, the software load process must be restarted from step 5.</p> <p>If a prompt, other than the <code>ok</code> is displayed, press the <b>&lt;Return&gt;</b> key until the <code>ok</code> prompt is displayed.</p> |   |   |
| 10.   | <p>At the Server UD86A2, turn <b>ON</b> the CPU/processor by performing the following:</p> <ul style="list-style-type: none"> <li>• Press and release the CPU/Processor UD86A2 power button on the front panel.</li> <li>• Move to the next step immediately.</li> </ul>  | This applies power to the OPUP server. This takes approximately 5 seconds.                |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 11.  | <p>When the system starts to boot, denoted by a spinning pin-wheel icon displayed on the monitor screen, press and hold the <b>&lt;Stop&gt;</b> key and simultaneously press the <b>&lt;A&gt;</b> key.</p> <p>This stops the server boot sequence and displays an <code>ok</code> prompt.</p> |  |
| 12.  | <p>At the Server UD86A2, perform the following:</p> <ul style="list-style-type: none"> <li>• Open the CD-ROM drive door.</li> <li>• Place Disk 1, labeled Disk 1, OPUP LOAD MEDIA Build 6.0, into the tray.</li> <li>• Close the CD-ROM drive door.</li> </ul>                                | Build 6.0 is the most current version of software.                         |
| 13.  | <p>At the <code>ok</code> prompt, enter:<br/><b>boot cdrom&lt;Return&gt;</b></p> <p>The boot process will take approximately 3 to 4 minutes.</p> <p>If an <code>ok</code> prompt reappears, press <b>&lt;Return&gt;</b>, then repeat step 13.</p>   | When the <b>&lt;Return&gt;</b> key is pressed the boot process will begin. |
| 14.  | <p>When the following message appears:</p> <pre>OPUP Server Installation:  Choose OPUP Site to Load:  1  Air_Force 2  Navy 3  Testbed 4  Overseas 5  Other  Enter Numeric Selection from Above, q to Quit or ? for Help:  [?,??,q]:  Enter: applicable # from above&lt;Return&gt;</pre>       |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| 15.  | <p>When the following message appears:</p> <pre>Please enter the OPUP site system ID (type 'help' for list):</pre> <p>Enter:<br/><b>help&lt;Return&gt;</b></p> <p>Locate your six-letter OPUP Site System ID and record it here: _____</p> <p>Once located: If <code>-more-</code> is displayed at the bottom of Site System ID list, press <b>q</b> to exit out of help mode and proceed to the next step.</p> <p>When the above message is redisplayed, proceed to the next step.</p> | <p>The six-letter OPUP Site System ID will be entered when the procedures ask for the SITEID entry.</p>  |
| 16.  | <p>When the following message appears:</p> <pre>Please enter the OPUP site system ID (type 'help' for list):</pre> <p>Enter:<br/><b>SITEID&lt;Return&gt;</b></p>  | <p>Enter the site ID recorded in step <a href="#">15</a>.</p> <p>Ensure the OPUP Site System ID is entered in UPPERCASE.</p> <p>If the site ID is entered incorrectly, you will be prompted to repeat this step.</p> |
| <p style="text-align: center;"><b>NOTE</b></p> <p>The following information displayed in step <a href="#">17</a> is an example of what a site may see during the OPUP software installation process. The actual system type, site name, and IP-Address information for each site will be different. The third IP-Address octet (i.e. 10.5.7.1) is site specific.</p> |   |  |
| 17.  | <p>When a message similar to the following appears:</p> <pre>System Type is:  Air_Force Site Name   is:  LTSBWS Network is:   10.5.7.0 ----- OPUP Dataserver IP address is: 10.5.7.1 Cisco Router IP address is: 10.5.7.2</pre> <p>Record the five values in the spaces provided in step <a href="#">2</a>.</p>   |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments   |
|---|---|--|
| 18.   | <p>When the following message appears:</p> <pre>Please Enter Password for root: Enter Password:  Enter: root_password&lt;Return&gt;</pre>       | <p>Entries will not be shown. Use assigned Password from step 2.</p>   |
| 19.   | <p>When the following message appears:</p> <pre>Re-Enter Password:  Enter: root_password&lt;Return&gt;</pre>                                    | <p>Password must be verified by entering the same Password twice.</p> <p>If the Password entries do not match or are not valid, the request for a Password will be made again.</p> |
| 20.   | <p>When the following message appears:</p> <pre>Please Enter Password for opupmgr: Enter Password:  Enter: opupmgr_password&lt;Return&gt;</pre> | <p>Entries will not be shown. Use assigned Password from step 2.</p>   |
| 21.   | <p>When the following message appears:</p> <pre>Re-Enter Password:  Enter: opupmgr_password&lt;Return&gt;</pre>                                 | <p>Password must be verified by entering the same Password twice.</p> <p>If the Password entries do not match or are not valid, the request for a Password will be made again.</p> |
| <p style="text-align: center;"><b>NOTE</b></p> <p>It is <u>critical</u> that all input information displayed in step 17 is recorded and accurate. Examine the inputs and ensure all entries are correct before proceeding to the next step.</p> |   |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 22.  | <p>When the following message appears:</p> <p>Do you want to continue installation with selection? Yes or No [y,n,?,q]</p> <p>If the inputs are correct, enter:<br/><b>y&lt;Return&gt;</b><br/>Continue to the next step</p> <p>If any information is incorrect, enter:<br/><b>n&lt;Return&gt;</b><br/>The software load process will go back to step 14.</p>  |   |
| 23.  | <p>The software installation process will display the following information as the load progresses:</p> <p>Starting Installation.</p> <p>Beginning Installation Phase 1.....</p> <p>Formatting Main IDE Drive...</p> <p>Formatting Secondary IDE Drive...</p> <p>Creating /export/data Filesystem...</p> <p>Creating /(root) Filesystem...</p> <p>Extracting /(root) Files...</p> <p>Creating /var Filesystem...</p> <p>Extracting /var Files....</p> <p>Creating /export/install Filesystem...</p> <p>Creating /opt Filesystem...</p> <p>Creating /usr Filesystem...</p> <p>Extracting /usr Files...</p> <p>Creating /export/home Filesystem...</p> <p>Configuring the /devices directory</p> <p>Configuring the /dev directory</p> <p>Configuring the /dev directory (compatibility devices)</p> <p>The software load process will take approximately 15 to 25 minutes</p> | <p>The system installs the software from Disk 1, OPUP LOAD MEDIA Build 6.0.</p> <p>The dots (...) following these messages only act as progress indicators as the installation continues.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments  |
|--|---|---|
| 24.  | <p>When the following message appears:</p> <p>Installation Phase 1 complete.</p> <p>Press Return to reboot and start Phase 2.</p> <p>Press the <b>&lt;Return&gt;</b> key.</p> <p>The software load process will take approximately 3 to 4 minutes.</p>  | <p>Initially the screen will go blank for about 30 seconds.</p> <p>The software load process will take approximately 3 to 4 minutes before the information in the next step is displayed.</p>             |
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the incorrect CD-ROM disk is inserted, the load process will display the message <code>Incorrect Disk</code>. The software load process will then eject the CD-ROM and again prompt for the correct CD-ROM. If you receive the <code>Incorrect Disk</code> message before the next disk is inserted, continue with the next disk.</p> |   |   |
| 25.  | <p>When the following message appears:</p> <p>Beginning Installation Phase 2...</p> <p>Please Insert OPUP LOAD MEDIA Disk 2, and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 1 and place it in its protective sleeve.</li> <li>• Place Disk 2 into the tray.</li> <li>• Close the CD-ROM drive door.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following message will be displayed:</p> <p>Extracting /export/install Files.....</p> <p>This takes approximately 15 to 25 minutes.</p> | <p>The system installs the software from Disk 2, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 26.  | <p>When the following message appears:</p> <p>Please Insert OPUP LOAD MEDIA Disk 3,<br/>and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 2 and place it in its protective sleeve.</li> <li>• Place Disk 3 into the tray.</li> <li>• Close the CD-ROM drive door.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following messages will be displayed:</p> <p>Extracting /opt Files.....<br/>Extracting /export/home Files...<br/>Copying Cisco IOS Files...</p> <p>This takes approximately 5 to 10 minutes.</p> | <p>The system installs the software from Disk 3, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |
| 27.  | <p>When the following message appears:</p> <p>Please Insert OPUP LOAD MEDIA Disk 4,<br/>and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 3 and place it in its protective sleeve.</li> <li>• Place Disk 4 into the tray.</li> <li>• Close the CD-ROM drive door.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following message will be displayed:</p> <p>Extracting Map Files.....</p> <p>This takes approximately 3 to 5 minutes.</p>  | <p>The system installs the software from Disk 4, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 28.  | <p>When the following message appears:</p> <pre>OPUP LOAD MEDIA Disk 4 Finished Loading.</pre> <p>Please Remove OPUP LOAD MEDIA Disk 4,<br/>and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 4 and place it in its protective sleeve.</li> <li>• Close the CD-ROM drive door.</li> <li>• Place the disks in a safe location for future use.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following message appears:</p> <pre>Configure Third Party Software...</pre> <p>Additional messages will be displayed for the next 5<br/>to 10 minutes.</p> <p>The software load process continues. The server will<br/>reboot and return to the CDE Login screen.</p> | Once the system is finished loading<br>Disk 4, various amounts of information<br>will scroll through the display monitor.  |
| 29.  | <p>At the CDE Login screen, in the Please enter<br/>your user name edit box,<br/>enter:<br/><b>opupmgr&lt;Return&gt;</b></p>  |  |
| 30.  | <p>At the CDE Login screen, in the Please enter<br/>your password edit box,<br/>enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p>  | <p>The opupmgr Password must be<br/>exactly the same Password that was<br/>assigned in step 2.</p> <p>The system will advance past the login<br/>point to the CDE Front Panel when this<br/>step is completed.</p> |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments   |
|--|--|--|
| 31.  | <p>When the Netscape: New Site Certificate window appears:</p> <ul style="list-style-type: none"> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click to select the Radio button <b>Accept this certificate forever (until it expires)</b></li> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click on the <b>Finish</b> button.</li> </ul> <p>The Netscape: New Site Certificate window closes.</p> | This step allows the user to setup and accept the Netscape security parameters for OPUP use. |
| 32.  | <p>In the Netscape: Password window, in the User ID: edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p> <p>The cursor will move to the Password: box.</p>   |  |
| 33.  | <p>In the Password: edit box, enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p>   | The opupmgr Password must be exactly the same Password that was assigned in step 2.          |
| 34.  | <p>When the Netscape: Secure Document window appears:</p> <p>Click on the <b>Show this Alert Next Time</b> check box to uncheck it.</p> <p>Click on the <b>OK</b> button.</p>  |  |
| 35.  | <p>When the Netscape: OPUP Manager Start OPUP window appears:</p> <p>Click on the <b>Next</b> button.</p>  |  |
| <p style="text-align: center;"><b>NOTE</b></p> <p>Refer to the software input parameters recorded in step 2 for the steps that follow.</p> |  |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 36.  | <p>In the OPUP Password Information: block, click in the first Password field, enter:<br/><i>Security_Level_1_Password</i> &lt;Tab&gt;</p> <p>Using the &lt;Tab&gt; key, move through the rest of the fields. Enter all appropriate Passwords and Password confirmations, as required, for all three security levels.</p>  | Each security level must have a unique Password.   |
| 37.  | <p>At the OPUP Size and Dial Line Information: block, in the Enter OPUP Size Configuration (1 for Large, 2 for Medium, 3 for Small): edit box, enter:<br/><b>3</b>&lt;Tab&gt;</p>  | This step selects a Small OPUP configuration.  |
| 38.  | <p>In the Enter # of Available Dial Lines(from 1 to 8): edit box, enter:<br/><b>1</b>&lt;Tab&gt;</p>   | The Small OPUP configuration will typically use one dial line. Ensure this is correct for this configuration.  |
| 39.  | <p>At the OPUP Product Distribution Information: block, in the Enter OPUP Distribution Contact Name: edit box, perform the following:</p> <ul style="list-style-type: none"> <li>• Delete the current entry.</li> <li>• Enter:<br/><i>site_specific_contact_name</i>&lt;Tab&gt;</li> <li>• In the Enter OPUP Distribution Contact Phone Number: edit box, enter:<br/><i>phone_number</i>&lt;Tab&gt;</li> </ul> | <p>This is the Point of Contact (POC) information. Enter the Name of the Office (i.e. Tinker Base Weather) and the telephone number with area code. DO NOT use dashes.</p> <p>DO NOT leave these fields blank!</p> |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 40.  | <p>At the Cisco Router Passwords: block, in the Enter Current Router Password: edit box,</p> <ul style="list-style-type: none"> <li>• Enter:<br/><i>Current_Router_Password</i>, then</li> <li>• Click in the Enter New Router Password: edit box,<br/>enter:<br/><i>New_Router_Password</i>&lt;Tab&gt;</li> <li>• In the Re-Enter Password: edit box,<br/>enter:<br/><i>New_Router_Password</i>&lt;Tab&gt;</li> <li>• In the Enter Current Enable Password: edit box,<br/>enter:<br/><i>Current_Enable_Password</i>&lt;Tab&gt;</li> <li>• In the Enter New Enable Password: edit box,<br/>enter:<br/><i>New_Enable_Password</i>&lt;Tab&gt;</li> <li>• In the Re-Enter Password: edit box,<br/>enter:<br/><i>New_Enable_Password</i></li> <li>• Click on the <b>Next</b> button.</li> </ul> | If either the Current Router Password or the Current Enable Password is entered incorrectly, the Router configuration will fail in later steps. |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 41.  | <p>When the following message appears at the Netscape: PUP Information Entered window:</p> <p>PUP Information - has been Created</p> <p>Click on the <b>Next</b> button and continue to the next step.</p> <p>Otherwise, if the following message appears:</p> <p>PUP Information not Correct</p> <ul style="list-style-type: none"> <li>• Determine which information is incorrect.</li> <li>• Click on the <b>Return to Last Screen</b> button.</li> <li>• Make the necessary corrections.</li> <li>• Restart this step.</li> </ul> | <p>If the information in step 40 was correct, the configuration process will go to the next step. If not, this step will need to be restarted after all input information has been verified to be correct.</p> |
| 42.  | <p>At the Netscape: OPUP Select Base Information window, click on the appropriate button for the system type selected in step 14.</p> <p>Record in the space provided in step 2.</p>  |  |
| 43.  | <p>At the Netscape: Select Base Installation window, in the Select Base block, highlight the applicable Base name by clicking on it. (If necessary, use the scroll bar to locate the Base name.) When the selected Base is highlighted, click on the <b>Next</b> button.</p> <p>Record in the space provided in step 2.</p>   | <p>The configuration process will go to the next step.</p>   |
| 44.  | <p>At the Netscape: OPUP Manager Create New RPG Information window, verify your Base is correctly displayed in the middle of the window.</p> <p>If the Base is correct, click on the <b>Yes</b> button. The configuration process will go to the next step.</p> <p>If the Base is incorrect, click on the <b>Return to Last Screen</b> button to return to the Netscape: Select Base Installation window and select the correct Base.</p>   |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| 45.  | At the Netscape: Add RPG Information from list window:<br><br>Click on the <b>Next</b> button.  | Each site's dial and dedicated RPGs will be configured. If more dial sites are needed after installation, contact WSR-88D Hotline. |
| 46.  | At the Netscape: RPG Information Entered window, click on the <b>Next</b> button.<br><br>The configuration process will go to the next step.  |  |
| 47.  | At the Netscape: OPUP Manager Configure OPUP window, click on the <b>Configure OPUP</b> button and then click on the <b>Yes</b> button to confirm.<br><br>This take approximately 5 to 15 minutes. When finished, the Netscape: OPUP Manager Configure OPUP window will display the OPUP has been Configured message. |  |
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the following message appears:</p> <p>OPUP has been Configured But.....Final Cisco Router Configuration Failed. Before OPUP could be operational you must manually configure Router. Please follow the instructions, to manually configure Cisco Router.</p> <p>Proceed to NWS EHB 6-538, AFTO 31P1-4-108-458-2, Navy EM400-A3-MMO-010, Table 3-8 and consult the Communication Router recovery procedure outlined in item number 5. Return to step 48 when finished.</p> |   |  |
| 48.  | At the Netscape: OPUP Manager Configure OPUP window:<br><br>Click on the <b>Return to Last Screen</b> button.<br><br>Click on the <b>OPUP Manager Main Menu</b> button.<br><br>The OPUP Manager Main Menu will be displayed.  |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 49.  | <p>At the OPUP Manager Main Menu window,</p> <p>Click the <b>File</b> selection near the top left corner of the window.</p> <p>When the pull down menu opens, click the <b>Exit</b> selection at the bottom of the menu.</p>   | It is important to close this window prior to continuing to the next step in order to refresh the data supplied to this window.                           |
| 50.  | <p>When the following message appears at the Netscape: Question window:</p> <p>Close all windows and exit Netscape?</p> <p>Click on the <b>OK</b> button.</p> <p>The OPUP Manager Main Menu closes.</p> <p>The configuration process will go to the next step.</p>   |   |
| 51.  | At the rear of the Server UD86A2, disconnect the Cisco configuration cable from the SERIAL port.   |   |
| 52.  | Reconnect the UPS Serial Cable 86W4 to the Server UD86A2 SERIAL port.  |   |
| 53.  | <p>At the rear of the Communications Router UD86A8, disconnect the other end of the Cisco cable from the CONSOLE port.</p> <p>Store this cable for future software installations and troubleshooting.</p>  |   |
| 54.  | <p>At the CDE Front Panel, near the bottom of the screen, click on the <b>up arrow</b> located just above the <b>cpu disk</b> usage icon. When the <b>Hosts</b> pop-up menu opens, click on the <b>This Host</b> icon selection.</p> <p>A Terminal window opens and the <code>/export/home/opupmgr&gt;</code> prompt displays.</p> |   |
| 55.  | <p>At the <code>/export/home/opupmgr&gt;</code> prompt, enter:</p> <p><b>sudo vi /usr/lib/powerchute/powerchute.ini&lt;Return&gt;</b></p>  | The UPS Powerchute script opens. This script specifies which port will be used to allow the OPUP server and UPS to communicate during emergency shutdown. |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 56.  | Visually locate the [Ups] entries (near the top of the file text) and locate the following entry:<br><br>PortName = /dev/ttyb  |  |
| 57.  | Using the arrow keys on the keyboard, move the cursor over the <b>b</b> in the PortName = /dev/ttyb to highlight the <b>b</b> character.   | Cursor is repositioned and the letter b is highlighted.  |
| 58.  | Press the <b>&lt;Esc&gt;</b> key once.   | Pressing the Escape key toggles the UNIX Text Editor VI edit mode on and off. BE SURE TO ONLY PRESS THIS ONCE! AN AUDIBLE BEEP MAY BE HEARD.   |
| 59.  | Enter the following:<br><br><b>ra</b><br><br>The letter a appears immediately following /dev/tty so it now reads /dev/ttya<br><br>The following applies:<br><ul style="list-style-type: none"><li>• If the above information is verified to be correct, skip to step 61.</li><li>• If an error has been made, go to the next step.</li></ul>   | The <b>r</b> is an edit command (replace) and will replace the <b>b</b> with the next character entered.<br><br>The <b>a</b> is written to the script.   |
| 60.  | If a mistake has been made perform the following :<br><ul style="list-style-type: none"><li>• Press the <b>&lt;Esc&gt;</b> key once.</li><li>• Using the keyboard, hold down the <b>&lt;Shift&gt;</b> key and press the colon “ : ” key, simultaneously.</li><li>• At the : prompt, enter:<br/><b>q!&lt;Return&gt;</b></li></ul> Return to step 55 and repeat the VI editing process, again. | This series of key strokes will exit the script and the VI editor without saving any changes.<br><br>Pressing the <b>&lt;Esc&gt;</b> key toggles on and off the edit mode of the VI editor.<br><br>Entering a <b>&lt;Shift&gt;:</b> (colon), simultaneously exits the edit mode and moves the cursor to the bottom of the screen next to a : (colon).<br><br>The <b>q!&lt;Return&gt;</b> command exits the VI editor without saving. |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 61.  | <p>Press <b>&lt;Esc&gt;</b> once.</p> <p>Using the keyboard, hold down the <b>&lt;Shift&gt;</b> key and press the colon “ : ” key, simultaneously.</p> <p>At the : prompt, enter:<br/><b>wq&lt;Return&gt;</b></p>    | <p>This series of key strokes will exit the VI editor and save the script changes made.</p> <p>Pressing the <b>&lt;Esc&gt;</b> key toggles on and off the edit mode of the VI editor.</p> <p>Entering a <b>&lt;Shift&gt;:</b> (colon), exits the edit mode and moves the cursor to the bottom of the screen next to a : (colon).</p> <p>The <b>wq&lt;Return&gt;</b> quits the VI editor and saves changes.</p> |
| 62.  | <p>At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br/><b>sudo head /usr/lib/powerchute/powerchute.ini&lt;Return&gt;</b></p> <p>The first 10 lines of the powerchute.ini file will now be displayed.</p> |  |
| 63.  | <p>Ensure the edited PortName entry in the [Ups] section reads as follows:</p> <p>PortName = /dev/ttya</p>   | <p>If the PortName = /dev/ttya statement displays anything else than an a after the “tty”, go back to step <a href="#">55</a> and begin again.</p>   |
| 64.  | <p>At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br/><b>sudo reboot -- -r&lt;Return&gt;</b></p> <p>The software reboot process will take approximately 3 to 4 minutes to complete.</p>                 | <p>Be sure to place a space between the sudo, reboot, “--” and “-r” entries.</p> <p>The system will perform a reboot and configure the UPS as a recognizable device attached to the Server UD86A2.</p>   |
| 65.  | <p>When the CDE Login screen appears, in the Please enter your user name edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p>   |  |
| 66.  | <p>At the CDE Login screen, in the Please enter your password edit box, enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p>   | <p>The opupmgr Password must be the same Password assigned in step <a href="#">2</a>.</p>  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 67.  | Click on the <b>Netscape World</b> icon on the far left side of the CDE Front Panel to start Netscape.<br><br>A Netscape window opens. This takes approximately 20 to 30 seconds.   |  |
| 68.  | Click anywhere on the <b>gray background</b> area of the Netscape window to get the Netscape: Password window to display.<br><br>Netscape: Password window opens.   |  |
| 69.  | In the Netscape: Password window, in the User ID: edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |  |
| 70.  | In the Password: edit box, enter:<br><b>opupmgr_password&lt;Return&gt;</b><br><br>The OPUP Manager Main Menu will be displayed.   | The opupmgr Password must be the same Password assigned in step 2. |
| 71.  | When the OPUP Manager Main Menu appears, perform the following:<br><br><ul style="list-style-type: none"> <li>• Click on the <b>OPUP Software Menu</b> button.</li> <li>• Click on the <b>Start OPUP</b> button within the OPUP Software Menu.</li> <li>• Click on the <b>Yes</b> button at the confirmation window.</li> </ul> The OPUP processes will take 1 to 2 minutes to start. Continue with the next step, however. | These procedures start the OPUP software.                          |
| 72.  | At the Netscape: OPUP Manager Start OPUP window:<br><br>Click on the <b>Return to OPUP Software Menu</b> button.  |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments  |
|---|--|---|
| 73.   | <ul style="list-style-type: none"> <li>Click on the <b>OPUP Process Status</b> button. An <code>OPUP Process Status</code> window will appear. Wait 1 to 2 minutes for the OPUP Processes to start.</li> <li>Click on the <b>Refresh</b> button as needed until all <code>OPUP App/Task</code> processes have started.</li> </ul> <p>When all the <code>OPUP App/Task</code> processes are started, go to the next step.</p> | <p>Every process listed in the <code>OPUP App/Task</code> portion will have a PID (Process Identification) number assigned once the OPUP is completely started.</p> <p>The <code>OPUP GUI App</code> portions will not display active application processes at this time.</p> |
| 74.   | <p>Click on the <b>Return to Main Menu</b> button.</p> <p><code>OPUP Manager Main Menu</code> will be displayed.</p>   |   |
| 75.   | <p>When the <code>OPUP Manager Main Menu</code> window appears, click on the <b>OPUP Users Menu</b> button.</p> <p>The <code>OPUP Users Menu</code> will be displayed.</p>   | This menu will be used to enter a unique User Name and Password.  |
| <p style="text-align: center;"><b>NOTES</b></p> <p>Case is important for both User Name and Passwords when they are defined. Future access to both will require the exact case for each letter as entered here.</p> <p>Each User Name must meet the following minimum composition requirements:</p> <ul style="list-style-type: none"> <li>Be at least a minimum of <u>three</u> characters in length.</li> <li>Contain at least <u>two</u> alpha characters (A through Z or a through z).</li> <li>Contain at least <u>one</u> number (0 through 9) or one of the following special characters (!, @, %, -, +, _, {, [, #, or =).</li> </ul> |  |   |
| 76.   | <ul style="list-style-type: none"> <li>Click on the <b>Add New User</b> button.</li> <li>Click in the <code>User Name</code>: edit box to activate the field for text entry.</li> <li>Enter any combination of letters and numbers to define a unique User Name that meets the requirements stated in the note above.</li> <li>Record the User Name in the space provided in step 2.</li> </ul>                              | A unique User Name should now be entered, verified, and recorded in the space provided in step 2.   |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| <p style="text-align: center;"><b>NOTE</b></p> <p>Each Password must meet the following minimum composition requirements:</p> <ul style="list-style-type: none"> <li>• Be at least a minimum of <u>eight</u> characters in length.</li> <li>• Contain at least <u>one</u> UPPERCASE character (A through Z).</li> <li>• Contain at least <u>one</u> lowercase character (a through z).</li> <li>• Contain at least <u>one</u> number (0 through 9).</li> <li>• Contain at least <u>one</u> special character (!, @, %, (, -, +, {, [, #, =, &amp;, *).</li> </ul> <p>All "special" entries <u>must</u> be within the first 8 characters.</p> |   |  |
| 77.  | <ul style="list-style-type: none"> <li>• Click in the <b>Password:</b> edit window to activate the window field for text entry.</li> <li>• Enter a Password that meets the requirements stated in the note above.</li> <li>• Click in the <b>Reenter password:</b> edit window to activate the window field for text entry and then reenter the Password exactly as entered above.</li> <li>• Record the Password exactly as entered in this step in the space provided in step 2.</li> </ul> | <p>This step ensures that the Password and/or the User Name was not mistyped/misspelled. It should also be recorded in the space provided in step 2 of this table.</p> <p>If the Password doesn't meet the security requirements, follow the on-screen instructions.</p> |
| 78.  | <p>Click on the <b>Save</b> button. When the <b>Netscape: Display User Info Entered</b> window and <b>OPUP User user_name - Successfully Created</b> message is displayed, click on the <b>Return to Main Menu</b> button.</p> <p>The User Name is displayed as part of the window title. The <b>OPUP Manager Main Menu</b> is displayed.</p>   |  |
| 79.  | At the CDE Front Panel, move the mouse cursor over the <b>Netscape World</b> icon.  | The current day, date, and time in GMT should be displayed.  |
| 80.  | While leaving the mouse cursor over the <b>Netscape World</b> icon, inspect the day, date, and time. If the time is off by more than 1 minute, go to the next step. Otherwise, go to step 88.   | If the day, date, and time information will not display, go to the next step. An accurate time source can be found by calling WWV 303-499-7111.  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 81.  | At the CDE Front Panel, click on the <b>up arrow</b> located just above the <b>cpu disk</b> usage icon.<br><br>A <b>Hosts</b> pop-up menu will be displayed.  |  |
| 82.  | Click on the <b>This Host</b> icon.<br><br>A Terminal window opens with an <code>/export/home/opupmgr&gt;</code> prompt.  |  |
| 83.  | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>date&lt;Return&gt;</b><br><br>The current day of the week, month, day, GMT time (hh:mm:ss), year should now be displayed.<br><br>If the time is off by more than 1 minute, go to the next step. Otherwise, go to step 88. |  |
| 84.  | Obtain an accurate time source (e.g. WWV 303-499-7111).<br><br>At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>sudo date mmddHHMM[cc][yy][.ss]</b> (Do Not press the <Return> key).<br><br>Use GMT time.  | Everything after the minutes entry ("MM") is optional. However, the most accurate method to update the time is to, at a minimum, enter the HHMM.ss parameters. The following information applies:<br><br>mm= Month<br>dd= Day<br>HH= GMT Hour<br>MM=Minute<br><br>Optional entries (normally not entered):<br><br>cc= Century minus 1<br>yy= Year<br>ss= Seconds |
| 85.  | Using the chosen time source, press <b>&lt;Return&gt;</b> at the exact time the above entered time occurs.  |  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 86.  | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>date&lt;Return&gt;</b><br><br>The OPUP System Time will be displayed.   | Verify the OPUP system time was updated.  |
| 87.  | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>exit&lt;Return&gt;</b><br><br>The Terminal window closes.   |   |
| 88.  | At the OPUP Manager Main Menu window,<br><br>Click the <b>File</b> selection near the top left corner of the window.<br><br>When the pull down menu opens, click the <b>Exit</b> selection at the bottom of the menu. | It is important to close this window prior to continuing to the next step in order to refresh the data supplied to this window. |
| 89.  | When the following message appears at the Netscape: Question window:<br><br><code>Close all windows and exit Netscape?</code><br><br>Click on the <b>OK</b> button.<br><br>The OPUP Manager Main Menu closes.         | It is important to close this window to refresh the data supplied to this window.   |
| 90.  | Click on the <b>EXIT</b> button located near the bottom center of the CDE Front Panel and then click the <b>OK</b> button.<br><br>The CDE Login screen should now be displayed.                                       | This procedure exits the installer from the OPUP Manager Main Menu and displays the CDE Login screen.                           |
| 91.  | At the CDE Login screen, in the Please enter your user name edit box, enter:<br><b>User_Name&lt;Return&gt;</b>  | Use the User Name (User ID) created in step 76.   |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 92.  | At the CDE Login screen, in the Please enter your password edit box, enter:<br><i>User_Password</i> <Return>   | The User ID Password must be exactly the same Password that was entered in step 77.<br><br>The system will advance past the login point and a choice of icons will be displayed at the Operational Applications Front Panel. |
| 93.  | Click on the <b>Status &amp; Control</b> icon located near the lower left corner of the Operational Applications Front Panel.<br><br>This will take approximately 15 to 20 seconds for the map to appear.  | A Status and Control - OPUP 6.0 window will be displayed showing a map of the United States. For those sites in the Pacific, it will show a map of the Pacific region. For the Azores, it will show an Atlantic region map.  |
| 94.  | At the Status and Control - OPUP 6.0 window, verify a green dot is present on the map for your associated RPG.<br><br>If multiple RPGs are shown, ensure at least one RPG location is communicating with the OPUP as indicated by a green dot for that location. | If a green dot is not present, a communication failure exists between the RPG and OPUP. Contact the WSR-88D Hotline for assistance.  |
| 95.  | Restore the site's adaptable parameters (printed/ copied from steps 3 and 4) into the appropriate windows.   |  |
| 96.  | If a green dot is present, close the Status and Control - OPUP 6.0 window by clicking on the <b>double red arrows</b> in the upper right corner.   |  |
| 97.  | At the front panel, click on the <b>Product Display</b> icon (PDGUI) located near the left side of the Operational Applications Front Panel.<br><br>This will take approximately 15 to 20 seconds to load.   | The PDGUI will have 12 individual display windows that can be selected in the next step.   |
| 98.  | In the Alert Registration window, click on the <b>Register Selected</b> button.<br><br>For any Alert Database Empty! windows, click on the <b>OK</b> button to acknowledge and close.  | These steps close all unnecessary display windows at this time.  |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| 99.  | <p>Choose any one of the 12 GUI windows displayed. Click on the <b>Open Product Selection Dialog</b> bar (green button located near the top left of the chosen GUI window).</p> <p>A <code>Product Selection</code> pop-up window will now be displayed.</p>  |  |
| 100.   | <ul style="list-style-type: none"> <li>Click on the <b>Category</b> button.</li> <li>Click on a product listed within the Drop Down Product List box.</li> <li>Click on a desired product parameter (elevation and resolution) and RPG ID, then click on the <b>Apply</b> button.</li> </ul> <p>A product should now be displayed within the chosen PDGUI window.</p> | The procedures within this step allows the user to select and display a specific product within the chosen display GUI window. |
| <p style="text-align: center;"><b>NOTES</b></p> <p>If a product is not displayed after completing step 100, repeat step 100 and select a different product.</p> <p>If the associated RPG is not connected, the product may not display at this time.</p> |   |  |
| 101.   | <p>Click on the <b>EXIT</b> button located near the bottom center of the CDE Front Panel and then click the <b>OK</b> button.</p> <p>The CDE Login screen should now be displayed.</p>  | This procedure exits the user and displays the CDE Login screen.   |
| 102.   | <p>When the CDE Login screen appears, in the <code>Please enter your user name</code> edit box, enter:</p> <p><b>opupmgr&lt;Return&gt;</b></p>  |  |
| 103.   | <p>At the CDE Login screen, in the <code>Please enter your password</code> edit box, enter:</p> <p><code>opupmgr_password&lt;Return&gt;</code></p>  | The opupmgr Password must be the same Password assigned in step 2.   |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 104. | Click on the <b>Netscape World</b> icon on the far left side of the CDE Front Panel to start Netscape.<br><br>A Netscape window opens. This takes approximately 20 to 30 seconds.   |   |
| 105. | Click anywhere on the <b>gray background</b> area of the Netscape window to get the Netscape: Password window to display.<br><br>Netscape: Password window opens.   |   |
| 106. | In the Netscape: Password window, in the User ID: edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |   |
| 107. | In the Password: edit box, enter:<br><i>opupmgr_password&lt;Return&gt;</i><br><br>The OPUP Manager Main Menu should be displayed.   | The opupmgr Password must be the same password assigned in step 2.                  |
| 108. | If a Printer UD86A12 is installed, refer to NWS EHB 6-538, AFTO 31P1-4-108-458-2, Navy EM400-A3-MMO-010, paragraph 6.6.6 to add and configure the printer.  | The IP-Address stored in the Server UD86A2 was erased when the software was loaded. |
| 109. | To add additional users refer to NWS EHB 6-538, AFTO 31P1-4-108-458-2, Navy EM400-A3-MMO-010, paragraph 5.2.5.  | All User Names and passwords were erased when the software was loaded.              |
| 110. | When the OPUP Manager Main Menu appears, perform the following:<br><br><ul style="list-style-type: none"> <li>Click on the <b>OPUP Server Control Menu</b> button.</li> <li>Click on the <b>Restart Server</b> button within the OPUP Server Control Menu.</li> <li>Click on the <b>Yes</b> button at the confirmation window.</li> </ul> The OPUP server will reboot and return to the CDE Login screen. This process will take 1 to 5 minutes to start. | These procedures restarts the OPUP server hardware and software.                    |

## ATTACHMENT 1 (Continued)

## SMALL OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments   |
|---|---|--|
| 111.  | When the CDE Login screen appears, in the Please enter your user name edit box, login as a normal user. |  |
| 112.  | Store any copies of the software input parameters in step 2 that may have been made in a safe location. | Entries in step 2 contain password information that must be kept from being compromised. |
| <b>NOTE</b><br><br>If the Small OPUP Server OS is not functioning and/or the software load procedure was not successful, immediately contact the WSR-88D Hotline at 1-800-643-3363. |   |  |
| 113.  | Complete ATTACHMENT 6 and return the information to the ROC.  |  |

ATTACHMENT 2

MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

**Tools Required:**

Cisco Configuration Cable (part number 72-3663-01)

Null Modem adapter

**Initial Conditions:**

- All software input information described in step 2, up to the dashed line, must be obtained **before** step 3 of the software load procedure. A software input parameters fill-in/checklist is provided for this purpose. Safeguard all IP-addresses and Passwords used to complete the following software load procedure.

**NOTES**

In the following procedures, when **<Return>** is printed in command lines, it means to press the **<Return>** or **<Enter>** key, whichever is appropriate.

Use the **<Delete>** key to correct typographical errors.

| Step | Action/Response  | Comments |
|------|--|----------|
| 1.   | Obtain the following items: <ul style="list-style-type: none"><li>• OPUP LOAD MEDIA CD-ROMs (4) provided in the kit and the software input configuration parameters.</li><li>• Cisco Configuration Cable (part number 72-3663-01) and Null Modem adapter</li></ul> |          |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| 2.   | Fill in the software input parameters listed below:<br>root password: _____<br>opupmgr Password: _____<br>Security Level 1 Password: _____<br>Security Level 2 Password: _____<br>Security Level 3 Password: _____<br>Number of Dial Lines: _____<br>Point of Contact Name: _____<br>Point of Contact Phone Number: _____<br>Current Router Password: _____<br>New Router Password: _____<br>Current Enable Password: _____<br>New Enable Password: _____ | It is important that the "Current Router Password" and "Current Enable Password" are known prior to continuing with the software load. If these Passwords are not known, contact the WSR-88D Hotline for instructions on determining these Passwords. The remainder of these Passwords (e.g., root, opupmgr, and security levels) are set during the load, even if they are unknown prior to the load. |
| -----<br>The following information will be displayed and/or selected and is to be recorded here during the software installation:<br>System Type: _____<br>Site Name: _____<br>Network: _____<br>OPUP Dataserver IP-Address: _____<br>Cisco Router IP-Address: _____<br>Cisco Switch IP-Address: _____ |   |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments            |                               |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |  |
|---|--|---------------------|-------------------------------|------------|------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|--|
| 2.<br>Cont  | <p>OPUP Display Server IP-Address:_____</p> <p style="text-align: center;"><b>NOTE</b></p> <p>The software shows all 10 Workstation IP-Addresses. Medium OPUP systems will only have up to three display workstations. It is not necessary to record the IP-Addresses for display workstations not installed.</p> <table> <thead> <tr> <th>Workstation Number:</th> <th>Workstation Hostname:</th> <th>IP-Address</th> <th>Ethernet-Address</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td><b><u>Workstation1</u></b></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>2.</td> <td><b><u>Workstation2</u></b></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>3.</td> <td><b><u>Workstation3</u></b></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> </tbody> </table> <p>OPUP Base to Install:_____</p> <p>Select Base Installation:_____</p> <p>User Name:_____</p> <p>User Password:_____</p> | Workstation Number: | Workstation Hostname:         | IP-Address | Ethernet-Address | 1. | <b><u>Workstation1</u></b> | _____ | ____:____:____:____:____:____ | 2. | <b><u>Workstation2</u></b> | _____ | ____:____:____:____:____:____ | 3. | <b><u>Workstation3</u></b> | _____ | ____:____:____:____:____:____ |  |
| Workstation Number:   | Workstation Hostname:  | IP-Address          | Ethernet-Address              |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |  |
| 1.  | <b><u>Workstation1</u></b>   | _____               | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |  |
| 2.  | <b><u>Workstation2</u></b>   | _____               | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |  |
| 3.  | <b><u>Workstation3</u></b>   | _____               | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |  |
| <p style="text-align: center;"><b>NOTE</b></p> <p>There is no merge forward of any Site Adaptation Data from Build 5.0 to Build 6.0. Therefore each site must print (if a printer is on your system) or manually copy all modified adaptable parameters before Build 6.0 is loaded as the existing Build 5.0 parameters will ALL BE ERASED during the load.</p> |  |                     |                               |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 3.   | <p>Review the following windows in the Status and Control GUI and save your site's appropriate data:</p> <ul style="list-style-type: none"> <li>• Product Request window (Canned Request Sets)</li> <li>• Alert Request window (Alert Areas &amp; Alert Categories)</li> <li>• Map Edit window (Map Edits)</li> <li>• Adaptation window (Display tab)</li> <li>• Autodial window (Saved Sets)</li> </ul>  |   |
| 4.   | <p>Review the following windows in the OPUP Manager GUI and save your site's appropriate data:</p> <ul style="list-style-type: none"> <li>• OPUP Users Menu (Users Names)</li> <li>• OPUP Archive Menu (Create Products Archive - Save site-created cases to CD-ROM)</li> </ul>   |   |
| 5.   | <p>At each OPUP Display Workstation(s) UD85, perform the following:</p> <ul style="list-style-type: none"> <li>• If the screen saver is Password protected, enter the 'root' Password to override the screen saver lock.</li> <li>• If the Operational Applications Front Panel is displayed, perform the following or proceed: <ul style="list-style-type: none"> <li>• Press the <b>Exit</b> button on the Operational Applications Front Panel (or the CDE Front Panel).</li> <li>• When the Logout Confirmation window is displayed, press the <b>OK</b> button. The CDE Login screen will then be displayed.</li> </ul> </li> <li>• If the CDE Login screen is displayed: <ul style="list-style-type: none"> <li>• Press and hold the CPU/Processor UD85A2 power button on the front panel for 5 seconds.</li> <li>• Wait for the CPU/processor to shutdown and monitor screen to be blank before proceeding.</li> </ul> </li> </ul> | Each workstation will take approximately 1 minute to perform a power off sequence. When finished, each display workstation will be in the power off position. |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments   |
|---|---|--|
| <p style="text-align: center;"><b>NOTES</b></p> <p>Prior to continuing to the next two steps, locate on the keyboard, the <b>&lt;Stop&gt;</b> key (far upper left side of keyboard) and the <b>&lt;A&gt;</b> key. These keys will be utilized to interrupt the boot process. If the system proceeds through the initial boot process before it is stopped, the software load process must be restarted from step 5.</p> <p>If a prompt other than the <code>ok</code> prompt is displayed, press the <b>&lt;Return&gt;</b> key until the <code>ok</code> prompt is displayed.</p> |   |  |
| 6.  | <p>At each OPUP Display Workstation(s) UD85, turn <b>ON</b> the CPU/processor by performing the following:</p> <ul style="list-style-type: none"> <li>Press and release the CPU/Processor UD85A2 power button on the front panel.</li> <li>Move to the next step immediately.</li> </ul>  | The power LED located just above the power button of each workstation CPU/processor will illuminate. |
| 7.  | <p>When the spinning pinwheel appears on the monitor display, simultaneously press the <b>&lt;Stop&gt;</b> and <b>&lt;A&gt;</b> keys.</p> <p>This stops the display workstation boot sequence.</p> <p>An <code>ok</code> prompt is displayed.</p>   |  |
| 8.  | <p>At each OPUP display workstation(s) display monitor, perform the following:</p> <ul style="list-style-type: none"> <li>Locate the Ethernet-Address near the top center of the display (this address is located in the banner information, just above the <code>ok</code> prompt.)</li> <li>When located, record the Ethernet-Address in the space(s) provided in step 2.</li> <li>Repeat for each display workstation.</li> <li>Leave each display workstation at the <code>ok</code> prompt.</li> </ul> |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments  |
|---|--|---|
| 9.  | <p>At the OPUP cabinet, manually place the Server UD80A11 to the <b>OFF</b> position by turning the security keyswitch on the front of the server clockwise until it stops.</p> <p>The green LED will turn OFF at the top right corner on the front of the server.</p> <p>Wait 15 seconds and then turn the security keyswitch back counterclockwise until it stops.</p> | <p>If the security keyswitch stops and the LED remains green, power is still on to the server. The server front panel door to the left of the security keyswitch may not be shut properly. Open the server front panel door and close it again. The security keyswitch should fully rotate clockwise to the OFF position and the green LED light will turn off.</p> |
| <p style="text-align: center;"><b>NOTES</b></p> <p>Prior to continuing to the next several steps, locate on the keyboard, the <b>&lt;Stop&gt;</b> key (far upper left side of keyboard) and the <b>&lt;A&gt;</b> key. These keys will be utilized to interrupt the boot process on the server. If the system proceeds through the initial boot process before it is stopped, the software load process must be restarted from step 9.</p> <p>If a prompt other than the {0}ok prompt is displayed, press the <b>&lt;Return&gt;</b> key until the {0}ok prompt is displayed.</p> |  |   |
| 10.   | <p>At the Server UD80A11, turn <b>ON</b> the server by firmly pressing the power button to the right of the security keyswitch.</p> <p>A green LED comes ON at the top right corner on the front of the server.</p>  | <p>As the server starts to boot up, the monitor will remain blank for approximately 2 to 3 minutes.</p>   |
| 11.   | <p>When the spinning pinwheel appears on the monitor display, simultaneously press the <b>&lt;Stop&gt;</b> and <b>&lt;A&gt;</b> keys.</p> <p>This stops the dataserver boot sequence.</p> <p>An {0}ok prompt is displayed.</p>   |   |
| 12.   | <p>At the Server UD80A11, perform the following:</p> <ul style="list-style-type: none"> <li>• Open the CD-ROM drive door.</li> <li>• Place Disk 1, labeled, Disk 1 OPUP LOAD MEDIA Build 6.0, into the tray.</li> <li>• Close the CD-ROM drive door.</li> </ul>  |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 13.  | <p>At the {0}ok prompt,<br/>enter:<br/><b>boot cdrom&lt;Return&gt;</b></p> <p>The boot process of the server begins. This takes approximately 4 to 5 minutes.</p>   |   |
| 14.  | <p>When the following message appears:</p> <p>Choose OPUP Site to Load:</p> <pre> 1  Air_Force 2  Navy 3  Testbed 4  Overseas 5  Other </pre> <p>Enter Numeric Selection from Above,<br/>q to Quit, or ? for Help: [?,??,q]:</p> <p>Enter:<br/><i>applicable # from above</i><b>&lt;Return&gt;</b></p>  |   |
| 15.  | <p>When the following message appears:</p> <p>Please enter the OPUP site system ID<br/>(type 'help' for list):</p> <p>Enter:<br/><b>help&lt;Return&gt;</b></p> <p>Locate your six-letter OPUP Site System ID and<br/>record it here: _____</p> <p>Once located: If <i>-more-</i> is displayed at the bottom<br/>of Site System ID list, press <b>q</b> to exit out of help<br/>mode and proceed to the next step.</p> <p>When the above message is redisplayed, proceed to<br/>the next step.</p> | <p>The six-letter OPUP Site System ID<br/>will be entered when the procedures<br/>ask for the SITEID entry.</p> |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments   |
|--|--|--|
| 16.  | <p>At the following message prompt:</p> <p>Please enter the OPUP site system ID<br/>(type 'help' for list):</p> <p>Enter:<br/><i>SITEID</i> &lt;Return&gt;</p> | <p>Enter the site ID recorded in step 15.</p> <p>Ensure the OPUP Site System ID is entered in UPPERCASE.</p> <p>If the site ID is entered incorrectly, you will be prompted to repeat this step.</p> |
| <p style="text-align: center;"><b>NOTES</b></p> <p>The following information displayed in step 17 is an example of what a site may see during the OPUP software installation process. The actual system type, site name, and IP-Address information for each site will be different.</p> <p>The third IP-Address octet (i.e. 10.5.<b>74</b>.1) is site specific. Each workstation IP-Address will begin with the next successive IP-Address after the OPUP Display Server IP-Address (i.e. if the OPUP Display Server IP-Address is 10.5.<b>74</b>.4, the first Display Workstation IP-Address will use 10.5.<b>74</b>.5, the second display workstation will use 10.5.<b>74</b>.6, etc.).</p> |  |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 17.  | <p>When a message similar to the following appears:</p> <pre> System Type is:  Testbed Site Name   is:  ROCNBY Network is: 10.5.74.0 ----- OPUP Dataserver IP address is: 10.5.74.1 Cisco Router IP address is: 10.5.74.2 Cisco Switch IP address is: 10.5.74.3 OPUP Display Server IP address is: 10.5.74.4 Workstation 1 IP address is: 10.5.74.5 Workstation 2 IP address is: 10.5.74.6 Workstation 3 IP address is: 10.5.74.7 ..... ..... Workstation 10 IP address is: 10.5.74.14  Record the System Type, Site Name, and each Workstation IP-Address displayed on the screen in the spaces provided in step 2. </pre> | There may be up to three display workstations for a Medium OPUP configuration. The IP-Addresses will be applicable to your system.   |
| 18.  | <p>When the following message appears:</p> <pre> Please Enter Password for root: Enter Password:  Enter: root_password&lt;Return&gt; </pre>   | Entries will not be shown. Use assigned Password from step 2.  |
| 19.  | <p>When the following message appears:</p> <pre> Re-Enter Password:  Enter: root_password&lt;Return&gt; </pre>  | <p>Password must be verified by entering the same Password twice.</p> <p>If the Password entries do not match or are not valid, the request for a Password will be made again.</p> |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments  |
|---|--|---|
| 20.   | <p>When the following message appears:</p> <pre>Please Enter Password for opupmgr: Enter Password:  Enter: opupmgr_password&lt;Return&gt;</pre>  | <p>Entries will not be shown. Use assigned Password from step 2.</p>  |
| 21.   | <p>When the following message appears:</p> <pre>Re-Enter Password:  Enter: opupmgr_password&lt;Return&gt;</pre>  | <p>Password must be verified by entering the same Password twice.</p> <p>If the Password entries do not match or are not valid, the request for a Password will be made again</p> |
| <p style="text-align: center;"><b>NOTE</b></p> <p>It is <u>critical</u> that all input information displayed in step 17 is recorded and accurate. Examine the inputs and ensure all entries are correct before proceeding to the next step.</p> |  |   |
| 22.   | <p>When the following message appears:</p> <pre>Do you want to continue installation with selection? Yes or No [y,n,?,q]  If the inputs are correct enter: <b>y &lt;Return&gt;</b> Continue to the next step.  If any information is incorrect, enter: <b>n&lt;Return&gt;</b> The software load process will go back to step 14.</pre> |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments  |
|--|--|---|
| 23.  | <p>The software installation process will display the following information as the load progresses:</p> <p>Starting Installation.</p> <p>Beginning Installation Phase 1....</p> <p>Formatting Main SCSI Drive...</p> <p>Formatting Secondary SCSI Drive...</p> <p>Creating /export Filesystem...</p> <p>Creating /(root) Filesystem...</p> <p>Extracting /(root) Files...</p> <p>Creating /var Filesystem...</p> <p>Extracting /var Files....</p> <p>Creating /opt Filesystem...</p> <p>Creating /usr Filesystem...</p> <p>Extracting /usr Files...</p> <p>Creating /export/data Filesystem...</p> <p>Configuring the /devices directory</p> <p>Configuring the /dev directory</p> <p>Configuring the /dev directory (compatibility devices)</p> <p>The software load process will take approximately 15 to 25 minutes</p> | <p>The system installs the software from Disk 1, OPUP LOAD MEDIA Build 6.0.</p> <p>The dots (...) following these messages only act as progress indicators as the installation continues.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |
| 24.  | <p>When the following message appears:</p> <p>Installation Phase 1 complete.</p> <p>Press Return to reboot and start Phase 2.</p> <p>Press <b>&lt;Return&gt;</b></p> <p>The software load process will take approximately 3 to 4 minutes.</p>  | <p>Initially the screen will go blank for about 30 seconds.</p> <p>The software load process will take approximately 3 to 4 minutes before the information in the next step is displayed.</p>   |
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the incorrect CD-ROM disk is inserted, the load process will display the message <code>Incorrect Disk</code>. The software load process will then eject the CD-ROM and again prompt for the correct CD-ROM. If you receive the <code>Incorrect Disk</code> message before the next disk is inserted, continue with the next disk.</p> |  |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 25.  | <p>When the following message appears:</p> <pre>Beginning Installation Phase 2...</pre> <p>Please Insert OPUP LOAD MEDIA Disk 2,<br/>and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 1 and place it in its protective sleeve.</li> <li>• Place Disk 2 into the tray.</li> <li>• Close the CD-ROM drive door.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following message will be displayed:</p> <pre>Extracting /export/install Files.....</pre> <p>This takes approximately 15 to 25 minutes.</p>         | <p>The system installs the software from Disk 2, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |
| 26.  | <p>When the following message appears:</p> <pre>Please Insert OPUP LOAD MEDIA Disk 3,<br/>and press Return.</pre> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 2 and place it in its protective sleeve.</li> <li>• Place Disk 3 into the tray.</li> <li>• Close the CD-ROM drive door.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following messages will be displayed:</p> <pre>Extracting /opt Files..... Extracting /export/home Files... Copying Cisco IOS Files...</pre> <p>This takes approximately 5 to 10 minutes.</p> | <p>The system installs the software from Disk 3, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 27.  | <p>When the following message appears:</p> <p>Please Insert OPUP LOAD MEDIA Disk 4,<br/>and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 3 and place it in its protective sleeve.</li> <li>• Place Disk 4 into the tray.</li> <li>• Close the CD-ROM drive door.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following message will be displayed:</p> <p>Extracting Map Files.....</p> <p>This takes approximately 3 to 5 minutes.</p>   | <p>The system installs the software from Disk 4, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |
| 28.  | <p>When the following message appears:</p> <p>OPUP LOAD MEDIA Disk 4 Finished Loading.</p> <p>Please Remove OPUP LOAD MEDIA Disk 4,<br/>and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 4 and place it in its protective sleeve.</li> <li>• Close the CD-ROM drive door.</li> <li>• Place the disks in a safe location for future use.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following message appears:</p> <p>Configure Third Party Software...</p> <p>Additional messages will be displayed for the next 5 to 10 minutes.</p> <p>The software load process continues.</p> | <p>Once the system is finished loading Disk 4, various amounts of information will scroll through the display monitor.</p>  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 29.  | <p>When the following message is displayed:</p> <p>Please use the right cable to connect the Cisco LAN Switch console port to Serial Port A on the OPUP Server.</p> <p>Press Return when ready to proceed or enter 'skip' to skip the Cisco configuration.</p> <p>Enter:<br/><b>skip&lt;Return&gt;</b></p> <p>This process can take up to 5 minutes to complete.</p> <p>The OPUP will automatically reboot. Wait for the CDE Login screen to be displayed.</p>   | <p>The <b>skip</b> command will by-pass the Communication Switch UD80A18 configuration and install remaining software items.</p> <p>If continually prompted to enter the "skip" before the command can be entered, continue with this step.</p> |
| 30.  | <p>At the CDE Login screen, in the Please enter your user name edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p>   |   |
| 31.  | <p>At the CDE Login screen, in the Please enter your password edit box, enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p> <p>The system will advance past the login point to the CDE Front Panel when this step is complete.</p>  | <p>The opupmgr Password must be exactly the same Password that was assigned in step 2.</p>  |
| 32.  | <p>When the Netscape: New Site Certificate window appears:</p> <ul style="list-style-type: none"> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click to select the Radio Button <b>Accept this certificate forever (until it expires)</b></li> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click on the <b>Next&gt;</b> button</li> <li>• Click on the <b>Finish</b> button.</li> </ul> <p>The Netscape: New Site Certificate window closes.</p> | <p>This step allows the user to setup and accept the Netscape security parameters for OPUP use.</p>   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments  |
|--|--|---|
| 33.  | In the Netscape: Password window, in the User ID: edit box,<br>enter:<br><b>opupmgr&lt;Return&gt;</b>  | The configuration process will go to the next step.                                 |
| 34.  | In the Password: edit window,<br>enter:<br><b>opupmgr_password&lt;Return&gt;</b>   | The opupmgr Password must be exactly the same Password that was assigned in step 2. |
| 35.  | When the Netscape: Secure Document window appears,<br><br><ul style="list-style-type: none"> <li>Click on the <b>Show this Alert Next Time</b> check box to uncheck it.</li> <li>Click on the <b>OK</b> button.</li> </ul>   |   |
| 36.  | When the Netscape: OPUP Manager Start OPUP window appears:<br><br>Click on the <b>Next</b> button.   |   |
| <p style="text-align: center;"><b>NOTE</b></p> <p style="text-align: center;">Refer to the software input parameters recorded in step 2 for the steps that follow.</p> |  |   |
| 37.  | In the OPUP Password Information: block,<br>click in the first password field,<br>enter:<br><b>Security_Level_1_password &lt;Tab&gt;</b><br><br>Using the <b>&lt;Tab&gt;</b> key, move through the rest of the fields. Enter all appropriate Passwords and Password confirmations, as required, for all three security levels. | Each security level must have a unique Password.                                    |
| 38.  | At the OPUP Size and Dial Line Information: block, in the Enter OPUP Size Configuration (1 for Large, 2 for Medium, 3 for Small): edit box,<br>enter:<br><b>2&lt;Tab&gt;</b>   | This step selects a Medium OPUP configuration.                                      |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 39.  | At the Enter # of Available Dial Lines (1 to 8) : edit box,<br>enter:<br><i>Appropriate_number_of_dial_lines</i> <Tab>  | The Medium OPUP configuration can use up to 8 dial lines. Ensure this is correct for this configuration  |
| 40.  | At the OPUP Product Distribution Information: block, in the Enter OPUP Distribution Contact Name: edit box, perform the following: <ul style="list-style-type: none"> <li>• Delete the current entry.</li> <li>• Enter:<br/><i>site_specific_contact_name</i>&lt;Tab&gt;</li> <li>• In the Enter OPUP Distribution Contact Phone Number: edit box,<br/>enter:<br/><i>phone_number</i>&lt;Tab&gt;</li> </ul>   | This is the POC information. Enter the Name of the Office (i.e. Tinker Base Weather) and the telephone number with area code. DO NOT use dashes.<br><br>DO NOT leave these fields blank! |
| 41.  | At the Cisco Router Passwords: block, in the Enter Current Router Password: edit box, <ul style="list-style-type: none"> <li>• Enter:<br/><i>Current_Router_Password</i>, then</li> <li>• Click in the Enter New Router Password: edit box and<br/>enter:<br/><i>New_Router_Password</i>&lt;Tab&gt;</li> <li>• In the Re-Enter Password: edit box,<br/>enter:<br/><i>New_Router_Password</i>&lt;Tab&gt;</li> <li>• In the Enter Current Enable Password: edit box,<br/>enter:<br/><i>Current_Enable_Password</i>&lt;Tab&gt;</li> <li>• In the Enter New Enable Password: edit box, enter:<br/><i>New_Enable_Password</i>&lt;Tab&gt;</li> <li>• In the Re-Enter Password: edit box,<br/>enter:<br/><i>New_Enable_Password</i></li> <li>• Click on the <b>Next</b> button.</li> </ul> | If either the Current Router Password or the Current Enable Password is entered incorrectly, the router configuration will fail in later steps.  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 42.  | <p>If the following message appears at the Netscape: PUP Information Entered window:</p> <p>PUP Information - has been Created</p> <p>Click on the <b>Next</b> button and continue to the next step.</p> <p>Otherwise, if the following message appears:</p> <p>PUP Information not Correct</p> <ul style="list-style-type: none"> <li>• Determine which information is incorrect.</li> <li>• Click on the <b>Return to Last Screen</b> button.</li> <li>• Make the necessary corrections.</li> <li>• Restart this step.</li> </ul> | <p>If the information in step 43 is correct the configuration process will go to the next step. If not, step 43 will need to be repeated after all input information has been verified to be correct.</p> |
| 43.  | <p>At the Netscape: OPUP Select Base Information window, click on the appropriate button for the system type selected in step 14.</p> <p>Record in the space provided in step 2.</p>  |   |
| 44.  | <p>At the Netscape: Select Base Installation window, in the Select Base block, highlight the applicable Base name by clicking on it. (If necessary, use the scroll bar to locate the Base name.) When the selected Base is highlighted, click on the <b>Next</b> button.</p> <p>Record the Base in the space provided in step 2.</p> <p>The configuration process will go to the next step.</p>   |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 45.  | <p>At the Netscape: OPUP Manager Create New RPG Information window, verify your Base is correctly displayed in the middle of the window.</p> <p>If the Base is correct, click on the <b>Yes</b> button. The configuration process will go to the next step.</p> <p>If the Base is incorrect, click on the <b>Return to Last Screen</b> button to return to the Netscape: Select Base Installation window and select the correct Base.</p>   |  |
| 46.  | At the Netscape: Add RPG Information from list window, click on the <b>Next</b> button.   | Each site's dial and dedicated RPGs will be configured. If more dial sites are needed after installation, contact WSR-88D Hotline. |
| 47.  | At the Netscape: RPG Information Entered window, click on the <b>Next</b> button.   | The configuration process will go to the next step.  |
| 48.  | <p>Perform the following steps to connect the Cisco Configuration Cable, part number 72-3663-01, to the Communication Router UD80A3:</p> <ul style="list-style-type: none"> <li>• Connect the RJ45 end of Cisco configuration cable to the CON port at the front of the communication router.</li> <li>• Connect the other end of the Cisco configuration cable to a Null Modem adapter.</li> <li>• Connect the Null Modem adapter to the Serial Port A connector on the rear of the Server UD80A11.</li> </ul> |  |
| 49.  | <p>At the Netscape: OPUP Manager Configure OPUP window, click on the <b>Configure OPUP</b> button and then click on the <b>Yes</b> button to confirm.</p> <p>This take approximately 5 to 15 minutes. When finished, a Netscape: OPUP Manager Configure OPUP window will be displayed with an OPUP has been Configured message.</p>   |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments |
|---|---|----------|
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the following message appears:</p> <p style="margin-left: 40px;">OPUP has been Configured But.....Final Cisco Router Configuration Failed. Before OPUP could be operational you must manually configure Router. Please follow the instructions, to manually configure Cisco Router.</p> <p style="margin-left: 40px;">Proceed to NWS EHB 6-537, AFTO 31P1-4-108-459-2, Navy EM400-A4-MMO-010, Table 3-11, Software Installation Recovery Procedures, and consult the Communication Router recovery procedure outlined in item number 6. Return to step <a href="#">50</a> when finished.</p> |   |          |
| 50.   | At the front of the Communication Router UD80A3, unplug the Cisco configuration cable from the CON port.  |          |
| 51.   | At the rear of the Server UD80A11, disconnect the other end of the Cisco configuration cable and Null Modem adapter from Port A.  |          |
|   | Store this cable and Null Modem adapter for future software installations and troubleshooting.  |          |
| 52.   | At the Netscape: OPUP Manager Configure OPUP window: <ul style="list-style-type: none"> <li>Click on the <b>Return to Last Screen</b> button.</li> <li>Click on the <b>OPUP Manager Main Menu</b> button.</li> </ul> The OPUP Manager Main Menu will be displayed |          |
| 53.   | At the OPUP Manager Main Menu, click on the <b>OPUP Workstation Menu</b> button.  |          |
|   | A Netscape: OPUP Workstation Menu window appears.   |          |
| 54.   | Click on the <b>Add New Workstation</b> button.   |          |
|   | A Netscape: OPUP Manager Add New Workstation window appears   |          |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 55.  | At the Ethernet Address: area, click in the text edit box, and enter:<br><i>Workstation1_Ethernet-Address</i><br><br>Click on the <b>Save</b> button.   | Refer to step 2 for the recorded Workstation1 Ethernet address.   |
| 56.  | When the Netscape: Workstation Information Complete window appears and displays the message:<br><br>The following workstations have been added:<br><br>Verify the Ethernet-Address is correct.                                  | Workstation 1 has been added.   |
| 57.  | Repeat steps 54 through 56 for all additional workstations. When the last workstation has been entered, continue to the next step.  |   |
| 58.  | At the Workstation Information Complete window,<br><br>Click the <b>File</b> selection near the top left corner of the window.<br><br>When the pull down menu opens, click the <b>Exit</b> selection at the bottom of the menu. | It is important to close this window prior to continuing to the next step in order to refresh the data supplied to this window. |
| 59.  | When the following message appears at the Netscape: Question window:<br><br>Close all windows and exit Netscape?<br><br>Click on the <b>OK</b> button.<br><br>The OPUP Manager Main Menu window closes.                         |   |
| 60.  | Click on the <b>EXIT</b> button on the CDE Front Panel and then click on the <b>OK</b> button in the Logout Confirmation window.  | This step exits the desktop session and displays the CDE Login screen.  |
| 61.  | When the CDE Login screen appears, in the Please enter your user name edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 62.  | <p>At the CDE Login screen, in the Please enter your password edit box, enter:<br/><i>opupmgr_password</i>&lt;Return&gt;</p> <p>The system will advance past the login point to the CDE Front Panel.</p> | The opupmgr Password must be the same Password assigned in step 2. |
| 63.  | <p>Click on the <b>Netscape World</b> icon on the far left side of the CDE Front Panel to start Netscape.</p> <p>A Netscape: window opens.</p> <p>This takes approximately 20 to 30 seconds.</p>         |  |
| 64.  | Click anywhere on the <b>gray background</b> area of the Netscape: window to get the Netscape: Password window to display.   |  |
| 65.  | In the Netscape: Password window, in the User ID: edit box, enter:<br><b>opupmgr</b> <Return>  |  |
| 66.  | <p>In the Password: edit box, enter:<br/><i>opupmgr_password</i>&lt;Return&gt;</p> <p>The OPUP Manager Main Menu will be displayed.</p>  | The opupmgr Password must be the same Password assigned in step 2. |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 67.  | <p>At each OPUP Display Workstation(s) UD85, at the <code>ok</code> prompt:<br/>enter:<br/><b>boot net - install</b>&lt;Return&gt;</p> <p>If an <code>{0}</code> <code>ok</code> prompt reappears, press <b>&lt;Return&gt;</b>, then repeat step 67.</p> <p>Ensure the above command is performed at all display workstations.</p> <p>This installation will take 60 to 75 minutes per display workstation. When finished, the display workstation CDE Login screen will be displayed.</p> <p>Do not continue until all display workstations display the CDE Login screen.</p> | <p>There must be a <b>space on both sides of the dash</b> for this boot command to work properly.</p> <p>This step ensures that each display workstation is selected and uses a command to invoke Jumpstart software package which initiates an automatic software installation routine.</p> |
| 68.  | <p>At the OPUP cabinet, if the screen saver feature has been engaged, move the mouse or press the <b>&lt;Shift&gt;</b> key to deactivate the screen saver. If the screen saver is Password protected, enter the 'root' Password to override the screen saver lock.</p>   |  |
| 69.  | <p>At the OPUP cabinet, with the OPUP Manager Main Menu displayed, perform the following</p> <ul style="list-style-type: none"> <li>Click on the <b>OPUP Software Menu</b> button.</li> <li>Click on the <b>Start OPUP</b> button within the OPUP Software Menu.</li> <li>Click on the <b>Yes</b> button at the confirmation window.</li> </ul> <p>The OPUP process will take 1 to 2 minutes to start. However, continue with the next step.</p>   | This will start the OPUP software.   |
| 70.  | <p>At the Netscape: OPUP Manager Start OPUP window:</p> <p>Click on the <b>Return to OPUP Software Menu</b> button.</p>  |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments  |
|--|---|---|
| 71.  | <ul style="list-style-type: none"> <li>Click on the <b>OPUP Process Status</b> button. An OPUP Process Status window will appear. Wait 1 to 2 minutes for the OPUP Processes to start.</li> <li>Click on the <b>Refresh</b> button, as needed, until all OPUP App/Task processes have started.</li> </ul> <p>When all the OPUP App/Task processes are started, go to the next step.</p> | <p>Every process listed in the OPUP App/Task portion will have a PID (Process Identification) number assigned once the OPUP is completely started.</p> <p>The OPUP GUI App portion will not display active application processes.</p> |
| 72.  | <p>Click on the <b>Workstation Processes</b> button. An OPUP Workstation Process Status window will appear.</p> <p>Verify each Workstation has both processes started in the OPUP App/Task area, then go to the next step.</p>  | <p>Each workstation has a separate section displaying its tasks list.</p> <p>The OPUP GUI App portions will not display active application processes.</p>   |
| 73.  | <p>Click on the <b>Return To Main Menu</b> button.</p> <p>The OPUP Manager Main Menu will be displayed.</p>   |   |
| 74.  | <p>At the OPUP Manager Main Menu window, click on the <b>OPUP Users Menu</b> button.</p> <p>An OPUP Users Menu will be displayed.</p>   | <p>The menu will go to the next step. This menu will be used to enter a unique User Name and Password.</p>  |
| <p style="text-align: center;"><b>NOTE</b></p> <p>Case is important for both User Name and Passwords when they are defined. Future access to both will require the exact case for each letter as entered here.</p> <p>Each User Name must meet the following minimum composition requirements:</p> <ul style="list-style-type: none"> <li>• Be at least a minimum of <u>three</u> characters in length.</li> <li>• Contain at least <u>two</u> alpha characters (A through Z or a through z).</li> <li>• Contain at least <u>one</u> number (0 through 9) or one of the following special characters (!, @, %, -, +, _, {, [, #, or =).</li> </ul> |   |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments   |
|---|--|--|
| 75.   | <ul style="list-style-type: none"> <li>Click on the <b>Add New User</b> button.</li> <li>Click on the <code>User Name</code>: edit box to activate the field for text entry.</li> <li>Enter any combination of letters and numbers to define a unique User Name that meets the requirements stated in the note above.</li> <li>Record the User Name in the space provided in step 2.</li> </ul>  | A unique User Name should now be entered, verified, and recorded in the space provided in step 2.  |
| <p style="text-align: center;"><b>NOTE</b></p> <p>Each Password must meet the following minimum composition requirements:</p> <ul style="list-style-type: none"> <li>Be at least a minimum of <u>eight</u> characters in length.</li> <li>Contain at least <u>one</u> UPPERCASE character (A through Z).</li> <li>Contain at least <u>one</u> lowercase character (a through z).</li> <li>Contain at least <u>one</u> number (0 through 9).</li> <li>Contain at least <u>one</u> special character (!, @, %, (, -, +, {, [, #, =, &amp;, *).</li> </ul> <p>All "special" entries must be within the first 8 characters.</p> |  |  |
| 76.   | <ul style="list-style-type: none"> <li>Click on the <code>Password</code>: edit window to activate the window field for text entry and enter the Password for the user.</li> <li>Enter a Password that meets the requirements in the note above.</li> <li>Click in the <code>Reenter password</code>: edit window to activate the window field for text entry and then reenter the Password exactly as entered above.</li> <li>Record the Password exactly as entered in this step in the space provided in step 2.</li> </ul> | <p>This step ensures that the Password is not mistyped/misspelled. It should also be recorded in the space provided in step 2 of these instructions.</p> <p>If the Password doesn't meet the security requirements, follow the on-screen instructions.</p> |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 77.  | <p>Click on the <b>Save</b> button. When the Netscape: Display User Info Entered window and OPUP User user_name - Successfully Created message is displayed, click on the <b>Return To Main Menu</b> button.</p> <p>The User Name is displayed as part of the window title. These steps will return to the OPUP Manager Main Menu.</p> | Additional Users can be added at this time by repeating steps 75 through 77 for each additional User. |
| 78.  | <p>At the CDE Front Panel, move the mouse cursor over the <b>Netscape World</b> icon.</p> <p>The current day, date, and time in GMT should be displayed.</p>   |   |
| 79.  | While leaving the mouse cursor over the <b>Netscape World</b> icon, inspect the day, date, and time. If the time is off by more than 1 minute, go to the next step. Otherwise, go to step 87.  | If the day, date, and time information will not display, go to the next step.                         |
| 80.  | <p>Within the CDE Front Panel, click on the <b>up</b> arrow located just above the <b>cpu disk</b> icon.</p> <p>A Hosts pop-up menu will then be displayed.</p>  |   |
| 81.  | <p>Click on the <b>This Host</b> icon.</p> <p>A Terminal window opens with an /export/home/opupmgr&gt; prompt.</p>   |   |
| 82.  | <p>At the /export/home/opupmgr&gt; prompt, enter:<br/><b>date&lt;Return&gt;</b></p> <p>The current day of the week, month, day, time (hh:mm:ss), GMT, year should be displayed.</p> <p>If the time is off by more than 1 minute, go to the next step. Otherwise, go to step 87</p>   |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments  |
|---|---|---|
| 83.   | <p>Obtain an accurate time source (e.g. WWV 303-499-7111).</p> <p>At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br/> <b>sudo date mmddHHMM[cc][yy][.ss]</b> (Do Not press the &lt;Return&gt; key).</p> <p>Use GMT time.</p> | <p>Everything after the minutes entry ("MM") is optional. However, the most accurate method to update the time is to, at a minimum, enter the HHMM.ss parameters. The following information applies:</p> <p>mm= Month<br/> dd= Day<br/> HH= GMT Hour<br/> MM=Minute</p> <p>Optional entries (normally not entered):</p> <p>cc= Century minus 1<br/> yy= Year<br/> ss= Seconds</p> |
| 84.   | Using the chosen time source, press <b>&lt;Return&gt;</b> at the exact time the above entered time occurs.  |   |
| 85.   | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>date&lt;Return&gt;</b>  | Verify the OPUP system time was updated.  |
| 86.   | <p>At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br/> <b>exit&lt;Return&gt;</b></p> <p>The Terminal window closes.</p> <p>The CDE Front Panel will be displayed.</p>  |   |
| 87.   | Go to one of the Display Workstations UD85. Ensure that the CDE Login screen is displayed before going to the next step.  | Each display workstation is connected to the Medium OPUP via CAT5 cable. Each workstation was added during step 55.   |
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the font used to display the Security Warning portion of the CDE Login screen is too large making the screen unreadable, perform the following steps 88 through 98. These steps may be required at all workstations. If the CDE Login screen is readable, skip to step 99.</p> |   |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 88.  | When the CDE Login screen appears, in the Please enter your user name edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |  |
| 89.  | At the CDE Login screen, in the Please enter your password edit box, enter:<br><i>opupmgr_password&lt;Return&gt;</i>  | The opupmgr Password must be the same Password assigned in step 2. |
| 90.  | Click on the <b>Netscape World</b> icon on the far left side of the CDE Front Panel to start Netscape.<br><br>A Netscape window opens. This takes approximately 20 to 30 seconds. |  |
| 91.  | Click anywhere on the <b>gray background</b> area of the Netscape window to get the Netscape: Password window to display.<br><br>Netscape: Password window opens.                 |  |
| 92.  | In the Netscape: Password window, in the User ID: edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |  |
| 93.  | In the Password: edit box, enter:<br><i>opupmgr_password&lt;Return&gt;</i><br><br>The OPUP Manager Main Menu will be displayed.   | The opupmgr Password must be the same Password assigned in step 2. |
| 94.  | Within the CDE Front Panel, click on the <b>up</b> arrow located just above the <b>cpu disk</b> icon.<br><br>A Hosts pop-up menu will then be displayed.                          |  |
| 95.  | Click on the <b>This Host</b> icon.<br><br>A Terminal window opens with an /export/home/opupmgr> prompt.  |  |
| 96.  | At the /export/home/opupmgr> prompt, enter:<br><b>/usr/sbin/afbconfig -res 1280x1024x76&lt;Return&gt;</b>   |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 97.  | At the <code>abconfig: Use 1280x1024x76 anyway?</code> prompt, enter:<br><b>y&lt;Return&gt;</b>   |   |
| 98.  | Click on the <b>EXIT</b> button located near the bottom center of the CDE Front Panel and then click the <b>OK</b> button.<br><br>The CDE Login screen should now be displayed.   | This procedure exits the user and displays the CDE Login screen.  |
| 99.  | At a display workstation CDE Login screen, in the <code>Please enter your user name</code> in the edit box, enter:<br><br><i>User_Name&lt;Return&gt;</i>  | Use the User Name created in step 75. The login screen will go to the next step.  |
| 100. | At the display workstation CDE Login screen, in the <code>Password</code> edit box, enter:<br><i>User_Password&lt;Return&gt;</i>  | The User ID Password must be exactly the same Password that was entered in step 76.<br><br>The system will advance past the login point to the OPUP Operational Applications Front Panel GUI Suite. A choice of icons will be displayed at the Front Panel. |
| 101. | Click on the <b>Status &amp; Control</b> icon located near the lower left corner of the Operational Applications Front Panel.<br><br>This will take approximately 15 to 20 seconds for the map to appear.   | A <code>Status and Control-OPUP 6.0</code> window will be displayed showing a map appropriate for your region.  |
| 102. | At the <code>Status and Control-OPUP 6.0</code> window, verify a green dot is present on the map for your location.<br><br>If multiple RPGs are shown, ensure at least one RPG location is communicating with the OPUP as indicated by a green dot for that location. | If a green dot is not present, a communication failure exists between the RPG and the OPUP. Contact the WSR-88D Hotline for assistance.   |
| 103. | Restore the site's adaptable parameters (printed/copied from steps 3 and 4) into the appropriate windows.   |   |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| 104.   | If green dots are present, close the <code>Status and Control-OPUP 6.0</code> window by clicking on the <b>double red arrows</b> in the upper right corner.   |  |
| 105.   | At the Operational Applications Front Panel, click on the <b>Product Display</b> icon located near the lower left corner of the Front Panel.<br><br>This will take approximately 15 to 20 seconds to load. Two windows will open, the <code>Product Display GUI</code> and the <code>Toolbar</code> . Two pop-up windows will also open.                  | The Product Display GUI will have 12 individual display windows that can be selected in the next step.                         |
| 106.   | In the <code>Alert Registration</code> window, click on the <b>Register Selected</b> button.<br><br>For any <code>Alert Database Empty!</code> windows that may appear, click on the <b>OK</b> button to acknowledge and close.   | These steps close all unnecessary pop-up windows at this time.   |
| 107.   | Choose any one of the 12 GUI windows displayed and then click on the <b>Open Product Selection Dialog</b> bar (green button located near the top center of the chosen GUI window).<br><br>A <code>Product Selection</code> pop-up window will now be displayed.   |  |
| 108.   | <ul style="list-style-type: none"> <li>Click on the <b>Category</b> button.</li> <li>Click on a product listed within the Drop Down Product List box.</li> <li>Click on a desired product parameter (elevation and resolution) and RPGID, then click on the <b>Apply</b> button.</li> </ul> A product should be displayed within the chosen PDGUI window. | The procedures within this step allows the user to select and display a specific product within the chosen display GUI window. |
| <p style="text-align: center;"><b>NOTE</b></p> <p>If a product is not displayed after completing step <a href="#">108</a>, repeat step <a href="#">108</a> and select a different product. If products are being received, proceed to <a href="#">ATTACHMENT 4</a>. If the associated RPG is not connected, the product may not display at this time</p> |   |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 109. | Click on the <b>EXIT</b> button located near the bottom center of the CDE Front Panel and then click the <b>OK</b> button.<br><br>The CDE Login screen should now be displayed.   | This procedure exits the user and displays the CDE Login screen.   |
| 110. | When the CDE Login screen appears, in the Please enter your user name edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |  |
| 111. | At the CDE Login screen, in the Please enter your password edit box, enter:<br><b>opupmgr_password&lt;Return&gt;</b>  | The opupmgr Password must be the same Password assigned in step 2. |
| 112. | Click on the <b>Netscape World</b> icon on the far left side of the CDE Front Panel to start Netscape.<br><br>A Netscape window opens. This takes approximately 20 to 30 seconds. |  |
| 113. | Click anywhere on the <b>gray background</b> area of the Netscape window to get the Netscape: Password window to display.<br><br>Netscape: Password window opens.                 |  |
| 114. | In the Netscape: Password window, in the User ID: edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |  |
| 115. | In the Password: edit box, enter:<br><b>opupmgr_password&lt;Return&gt;</b><br><br>The OPUP Manager Main Menu will be displayed.   | The opupmgr Password must be the same Password assigned in step 2. |
| 116. | If a printer is installed, refer to NWS EHB 6-537, AFTO 31P1-4-108-459-2, Navy EM400-A4-MMO-010, paragraph 6.6.7 to add and configure the printer.                                |  |
| 117. | To add additional users refer to NWS EHB 6-537, AFTO 31P1-4-108-459-2, Navy EM400-A4-MMO-010, paragraph 5.2.5.  |  |

## ATTACHMENT 2 (Continued)

## MEDIUM OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments   |
|--|--|--|
| 118.   | <p>When the <code>OPUP Manager Main Menu</code> appears, perform the following:</p> <ul style="list-style-type: none"> <li>Click on the <b>OPUP Server Control Menu</b> button.</li> <li>Click on the <b>Restart Server</b> button within the <code>OPUP Server Control Menu</code>.</li> <li>Click on the <b>Yes</b> button at the confirmation window.</li> </ul> <p>The OPUP server will reboot and return to the CDE login screen. This process will take 1 to 5 minutes for each workstation.</p> | These procedures restart the OPUP software.  |
| 119.   | When the CDE Login screen appears, in the <code>Please enter your user name</code> edit box, login as a normal user.   |  |
| 120.   | Store any copies of the software input parameters in step 2 that may have been made in a safe location.  | Entries in step 2 contain Password information that must be kept from being compromised. |
| <p style="text-align: center;"><b>NOTE</b></p> <p style="text-align: center;">If the Medium OPUP is not functioning and/or the software load procedure was not successful, immediately contact the WSR-88D Hotline at 1-800-643-3363 for further assistance.</p> |  |  |
| 121.   | Proceed to <a href="#">ATTACHMENT 4</a> to configure the Communications Switch UD80A18.  |  |

ATTACHMENT 3

LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

Tools Required:

Cisco Configuration Cable (part number 72-3663-01)

Null Modem adapter

Initial Conditions:

- All software input information described in step 2, up to the dashed line, must be obtained **before** step 3 of the software load procedure. A software input parameters fill-in/checklist is provided for this purpose. Safeguard all IP-addresses and Passwords used to complete the following software load procedure.

NOTES

In the following procedures, when **<Return>** is printed in command lines, it means to press the **<Return>** or **<Enter>** key, whichever is appropriate.

Use the **<Delete>** key to correct typographical errors.

| Step | Action/Response  | Comments  |
|------|--|---|
| 1.   | Obtain the following items: <ul style="list-style-type: none"><li>• OPUP LOAD MEDIA CD-ROMs (4) provided in the kit and the software input configuration parameters.</li><li>• Cisco Configuration Cable (part number 72-3663-01) and Null Modem adapter</li></ul> | Ensure all information is accurate and up-to-date before continuing to the next step. |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments  |
|---|--|---|
| 2.  | <p>Fill in the software input parameters listed below:</p> <p>root password: _____</p> <p>opupmgr Password: _____</p> <p>Security Level 1 Password: _____</p> <p>Security Level 2 Password: _____</p> <p>Security Level 3 Password: _____</p> <p>Number of Dial Lines: _____</p> <p>Point of Contact Name: _____</p> <p>Point of Contact Phone Number: _____</p> <p>Current Router Password: _____</p> <p>New Router Password: _____</p> <p>Current Enable Password: _____</p> <p>New Enable Password: _____</p> | <p>It is important that the "Current Router Password" and "Current Enable Password" are known prior to continuing with the software load. If these Passwords are not known, contact the WSR-88D Hotline for instructions on determining these Passwords. The remainder of these Passwords (e.g., root, opupmgr, and security levels) are set during the load, even if they are unknown prior to the load.</p> |
| <p>-----</p> <p>The following information will be displayed and/or selected and is to be recorded here during the software installation:</p> <p>System Type: _____</p> <p>Site Name: _____</p> <p>Network: _____</p> <p>OPUP Dataserver IP-Address: _____</p> <p>Cisco Router IP-Address: _____</p> <p>Cisco Switch IP-Address: _____</p> |  |   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step                   | Action/Response  | Comments               |                               |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
|------------------------|--|------------------------|-------------------------------|------------|------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|----|----------------------------|-------|-------------------------------|-----|-----------------------------|-------|-------------------------------|--|
| 2.<br>Cont.            | <p>Display Server Hostname: <u><b>opup1server2</b></u></p> <p>OPUP Display Server IP-Address: _____</p> <p>OPUP Display Server Ethernet-Address: ____:____:____:____:____:____</p> <table> <thead> <tr> <th>Workstation<br/>Number:</th> <th>Workstation<br/>Hostname:</th> <th>IP-Address</th> <th>Ethernet-Address</th> </tr> </thead> <tbody> <tr> <td>1:</td> <td><u><b>Workstation1</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>2:</td> <td><u><b>Workstation2</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>3:</td> <td><u><b>Workstation3</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>4:</td> <td><u><b>Workstation4</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>5:</td> <td><u><b>Workstation5</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>6:</td> <td><u><b>Workstation6</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>7:</td> <td><u><b>Workstation7</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>8:</td> <td><u><b>Workstation8</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>9:</td> <td><u><b>Workstation9</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> <tr> <td>10:</td> <td><u><b>Workstation10</b></u></td> <td>_____</td> <td>____:____:____:____:____:____</td> </tr> </tbody> </table> <p>OPUP Base to Install: _____</p> <p>Select Base Installation: _____</p> <p>User Name: _____</p> <p>User Password: _____</p> | Workstation<br>Number: | Workstation<br>Hostname:      | IP-Address | Ethernet-Address | 1: | <u><b>Workstation1</b></u> | _____ | ____:____:____:____:____:____ | 2: | <u><b>Workstation2</b></u> | _____ | ____:____:____:____:____:____ | 3: | <u><b>Workstation3</b></u> | _____ | ____:____:____:____:____:____ | 4: | <u><b>Workstation4</b></u> | _____ | ____:____:____:____:____:____ | 5: | <u><b>Workstation5</b></u> | _____ | ____:____:____:____:____:____ | 6: | <u><b>Workstation6</b></u> | _____ | ____:____:____:____:____:____ | 7: | <u><b>Workstation7</b></u> | _____ | ____:____:____:____:____:____ | 8: | <u><b>Workstation8</b></u> | _____ | ____:____:____:____:____:____ | 9: | <u><b>Workstation9</b></u> | _____ | ____:____:____:____:____:____ | 10: | <u><b>Workstation10</b></u> | _____ | ____:____:____:____:____:____ |  |
| Workstation<br>Number: | Workstation<br>Hostname:   | IP-Address             | Ethernet-Address              |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 1:                     | <u><b>Workstation1</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 2:                     | <u><b>Workstation2</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 3:                     | <u><b>Workstation3</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 4:                     | <u><b>Workstation4</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 5:                     | <u><b>Workstation5</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 6:                     | <u><b>Workstation6</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 7:                     | <u><b>Workstation7</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 8:                     | <u><b>Workstation8</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 9:                     | <u><b>Workstation9</b></u>   | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |
| 10:                    | <u><b>Workstation10</b></u>  | _____                  | ____:____:____:____:____:____ |            |                  |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |    |                            |       |                               |     |                             |       |                               |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments |
|---|--|----------|
| <p style="text-align: center;"><b>NOTE</b></p> <p>There is no merge forward of any Site Adaptation Data from Build 5.0 to Build 6.0. Therefore each site must print (if a printer is on your system) or manually copy all modified adaptable parameters before Build 6.0 is loaded as the existing Build 5.0 parameters will ALL BE ERASED during the load.</p> |  |          |
| 3.  | <p>Review the following windows in the Status and Control GUI and save your site's appropriate data:</p> <ul style="list-style-type: none"> <li>• Product Request window (Canned Request Sets)</li> <li>• Alert Request window (Alert Areas &amp; Alert Categories)</li> <li>• Map Edit window (Map Edits)</li> <li>• Adaptation window (Display tab)</li> <li>• Autodial window (Saved Sets)</li> </ul> |          |
| 4.  | <p>Review the following windows in the OPUP Manager GUI and save your site's appropriate data:</p> <ul style="list-style-type: none"> <li>• OPUP Users Menu (Users Names)</li> <li>• OPUP Archive Menu (Create Products Archive - Save site-created cases to CD-ROM)</li> </ul>  |          |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments  |
|--|--|---|
| 5.   | <p>At each OPUP Display Workstation(s) UD85, perform the following:</p> <ul style="list-style-type: none"> <li>• If the screen saver is Password protected, enter the 'root' Password to override the screen saver lock.</li> <li>• If the Operational Applications Front Panel is displayed, perform the following or proceed: <ul style="list-style-type: none"> <li>• Press the <b>EXIT</b> button on the Operational Applications Front Panel (or CDE Front Panel if the Workstation is new).</li> <li>• When the <code>Logout Confirmation</code> window is displayed, click on the <b>OK</b> button. The CDE Login screen will be displayed.</li> </ul> </li> <li>• If the CDE Login screen is displayed: <ul style="list-style-type: none"> <li>• Press and hold the CPU/Processor UD85A2 power button on the front panel for 5 seconds.</li> <li>• Wait for the CPU/processor to shutdown and the monitor screen to go blank/black before proceeding.</li> </ul> </li> </ul> | Each workstation will take approximately 1 minute to perform a power off sequence. When finished, each display workstation will be in the power off position. |
| <p style="text-align: center;"><b>NOTES</b></p> <p>Prior to continuing to the next two steps, locate on the keyboard the <b>&lt;Stop&gt;</b> key (far upper left side of keyboard) and the <b>&lt;A&gt;</b> key. These keys will be utilized to interrupt the boot process. If the system proceeds through the initial boot process before it is stopped, the software load process must be restarted from step 5.</p> <p>If a prompt other than the <code>ok</code> prompt is displayed, press the <b>&lt;Return&gt;</b> key until the <code>ok</code> prompt is displayed.</p> |  |   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 6.   | <p>At each OPUP Display Workstation(s) UD85, turn <b>ON</b> the CPU/processor by performing the following:</p> <ul style="list-style-type: none"> <li>• Press and release the CPU/Processor UD85A2 power button located on the front panel.</li> <li>• Move to next step immediately.</li> </ul> <p>The power LED located just above the power button of each workstation CPU/processor will illuminate.</p>  |   |
| 7.   | <p>When the spinning pinwheel appears on the monitor, simultaneously press the <b>&lt;Stop&gt;</b> and <b>&lt;A&gt;</b> keys.</p> <p>This stops the display workstation boot sequence.</p> <p>An <b>o</b>k prompt is displayed.</p>   |   |
| 8.   | <p>At each OPUP display workstation(s), perform the following:</p> <ul style="list-style-type: none"> <li>• Locate the Ethernet-Address near the top center of the display (this address is located in the banner information, just above the <b>o</b>k prompt.)</li> <li>• When located, record the Ethernet-Address in the space(s) provided in step <a href="#">2</a>.</li> <li>• Repeat for each display workstation.</li> <li>• Leave each display workstation at the <b>o</b>k prompt.</li> </ul> |   |
| 9.   | <p>At the OPUP UD80 cabinet, locate the KVM Switch UD80A8 and press button <b>1</b>. The LED associated with button <b>1</b> will now be <b>ON</b> (illuminated).</p>   | <p>The KVM switch LED buttons are located near the center front panel of the KVM switch. Button 1 is associated with the OPUP Dataserver UD80A11 and button 2 is associated with the OPUP Display Server UD80A12.</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments  |
|---|--|---|
| 10.   | <p>At the Dataserver UD80A11 located in the upper server position, manually place the server to the <b>OFF</b> position by turning the security keyswitch on the front of the dataserver clockwise until it stops.</p> <p>The green LED will turn OFF at the top right corner on the front of the dataserver.</p> <p>Wait 15 seconds and then turn the security keyswitch counterclockwise until it stops.</p>             | <p>If the security keyswitch stops and the LED remains green, power is still on to the server. The server front panel door to the left of the security keyswitch may not be shut properly. Open the server front panel door and close it again. The security keyswitch should fully rotate clockwise to the OFF position and the green LED light will turn off.</p> |
| 11.   | <p>At the Display Server UD80A12 located in the lower server position, manually place the server to the <b>OFF</b> position by turning the security keyswitch on the front of the display server clockwise until it stops.</p> <p>The green LED will turn OFF at the top right corner on the front of the display server.</p> <p>Wait 15 seconds and then turn the security keyswitch counterclockwise until it stops.</p> | <p>Both servers should be powered OFF.</p>  |
| <p style="text-align: center;"><b>NOTES</b></p> <p>Prior to continuing to the next several steps, locate on the keyboard, the <b>&lt;Stop&gt;</b> key (far upper left side of keyboard) and the <b>&lt;A&gt;</b> key. These keys will be utilized to interrupt the boot process on each server. If the system proceeds through the initial boot process before it is stopped, the software load process must be restarted from step 10.</p> <p>If a prompt other than the {0}ok prompt is displayed, press the <b>&lt;Return&gt;</b> key until the {0}ok prompt is displayed.</p> |  |   |
| 12.   | <p>At the Dataserver UD80A11, turn <b>ON</b> the server by firmly pressing the power button to the right of the security keyswitch (upper server position).</p> <p>A green LED comes ON at the top right corner on the front of the dataserver.</p>  | <p>As the dataserver starts to boot up, the monitor will remain blank for approximately 2 to 3 minutes. Wait for the monitor to display boot information.</p>   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments   |
|---|---|--|
| 13.   | <p>When the spinning pinwheel appears on the monitor display, simultaneously press the <b>&lt;Stop&gt;</b> and <b>&lt;A&gt;</b> keys.</p> <p>This stops the dataserver boot sequence.</p> <p>An {0}ok prompt is displayed.</p>                              |  |
| <p style="text-align: center;"><b>NOTE</b></p> <p style="text-align: center;">If the boot process is not stopped on the dataserver, wait 5 minutes, then repeat step 10 and then steps 12 and 13.</p>     |   |  |
| 14.   | <p>At the KVM Switch UD80A8, press button <b>2</b>.</p> <p>The KVM Switch button LEDs, will now indicate that button <b>2</b> LED is illuminated.</p>   | <p>Button <b>2</b> is associated with the display server.</p> <p>If any problems with the KVM switch are noted, contact the WSR-88D Hotline.</p>           |
| 15.   | <p>At the Display Server UD80A12 (lower server position), turn <b>ON</b> the server by firmly pressing the power button to the right of the security keyswitch.</p> <p>A green LED comes ON at the top right corner on the front of the display server.</p> | <p>The display server starts to boot up, the monitor remains blank for approximately 2 to 3 minutes. Wait for the monitor to display boot information.</p> |
| 16.   | <p>When the spinning pinwheel appears on the monitor display, simultaneously press the <b>&lt;Stop&gt;</b> and <b>&lt;A&gt;</b> keys.</p> <p>This stops the display server boot sequence.</p> <p>An {0}ok prompt is displayed.</p>                          |  |
| <p style="text-align: center;"><b>NOTE</b></p> <p style="text-align: center;">If the boot process is not stopped on the display server, wait 5 minutes, then repeat step 11 and then steps 15 and 16.</p> |   |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 17.  | <p>At the Monitor UD80A7, perform the following:</p> <ul style="list-style-type: none"> <li>• Locate the Ethernet-address near the top center of the display (this address is located in the banner information, just above the {0}ok prompt.)</li> <li>• When located, record the Ethernet-address in the space provided in step 2.</li> </ul> | Leave the display server at the {0}ok prompt at this time.                       |
| 18.  | <p>At the KVM Switch UD80A8, press button 1.</p> <p>The KVM Switch button 1 LED is illuminated.</p>   | Button 1 is associated with the dataserver.                                      |
| 19.  | <p>At the Dataserver UD80A11, perform the following:</p> <ul style="list-style-type: none"> <li>• Open the CD-ROM drive door.</li> <li>• Place Disk 1, labeled, Disk 1 OPUP LOAD MEDIA Build 6.0, into the tray.</li> <li>• Close the CD-ROM drive door.</li> </ul>   |  |
| 20.  | <p>At the {0}ok prompt, enter:<br/><b>boot cdrom&lt;Return&gt;</b></p> <p>The boot process of the dataserver begins. This takes approximately 3 to 4 minutes.</p>   | If an {0}ok prompt reappears, press <b>&lt;Return&gt;</b> , then repeat step 20. |
| 21.  | <p>When the following message appears:</p> <pre>OPUP Server Installation:  Choose OPUP Site to Load:  1  Air_Force 2  Navy 3  Testbed 4  Overseas 5  Other  Enter Numeric Selection from Above, q to Quit, or ? for Help:  [?,??,q]:  Enter: applicable # from above&lt;Return&gt;</pre>  |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| 22.  | <p>When the following message appears:</p> <p>Please enter the OPUP site system ID (type 'help' for list):</p> <p>Enter:<br/><b>help&lt;Return&gt;</b></p> <p>Locate your six-letter OPUP Site System ID and record it here: _____</p> <p>Once located: If <b>-more-</b> is displayed at the bottom of the Site System ID list, press <b>q</b> to exit out of the help mode and proceed to the next step.</p> <p>When the above message is redisplayed, proceed to next step.</p> | <p>The six-letter OPUP Site System ID will be entered when the procedures ask for the SITEID entry.</p>  |
| 23.  | <p>At the following message prompt:</p> <p>Please enter the OPUP site system ID (type 'help' for list):</p> <p>Enter:<br/><b>SITEID&lt;Return&gt;</b></p>   | <p>Enter the site ID recorded in step <a href="#">22</a>.</p> <p>Ensure the OPUP Site System ID is entered in UPPERCASE.</p> <p>If the site ID is entered incorrectly, you will be prompted to repeat this step.</p> |
| <p style="text-align: center;"><b>NOTES</b></p> <p>The following information displayed in step <a href="#">24</a> is an example of what a site may see during the OPUP software installation process. The actual system type, site name, and IP-Address information for each site will be different.</p> <p>The third IP-Address octet (i.e. 10.5.<b>74</b>.1) is site specific. Each workstation IP-Address will begin with the next successive IP-Address after the Display Server IP-Address (i.e. if the Display Server IP-Address is 10.5.<b>74</b>.4, the first Display Workstation IP-Address will use 10.5.<b>74</b>.5, the second display workstation will use 10.5.<b>74</b>.6, etc.).</p> |   |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 24.  | <p>When a message similar to the following appears:</p> <pre> System Type is:  Testbed Site Name   is:  ROCNBY Network is: 10.5.74.0 ----- OPUP Dataserver IP address is: 10.5.74.1 Cisco Router IP address is: 10.5.74.2 Cisco Switch IP address is: 10.5.74.3 OPUP Display Server IP address is: 10.5.74.4 Workstation 1 IP address is: 10.5.74.5 Workstation 2 IP address is: 10.5.74.6 Workstation 3 IP address is: 10.5.74.7 ..... ..... Workstation 10 IP address is: 10.5.74.14  Record the System Type, Site Name, and each IP-Address displayed on the screen in the spaces provided in step 2. </pre> | There may be up to ten display workstations for a Large OPUP configuration. The IP-Addresses will be applicable to your system.  |
| 25.  | <p>When the following message appears:</p> <pre> Please Enter Password for root: Enter Password:  Enter: root_password&lt;Return&gt; </pre>   | Entries will not be shown. Use assigned Password from step 2.  |
| 26.  | <p>When the following message appears:</p> <pre> Re-Enter Password:  Enter: root_password&lt;Return&gt; </pre>  | <p>Password must be verified by entering the same Password twice.</p> <p>If the Password entries do not match or are not valid, the request for a Password will be made again.</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments   |
|---|--|--|
| 27.   | <p>When the following message appears:</p> <pre>Please Enter Password for opupmgr: Enter Password:  Enter: opupmgr_password&lt;Return&gt;</pre>  | <p>Entries will not be shown. Use assigned Password from step 2.</p>   |
| 28.   | <p>When the following message appears:</p> <pre>Re-Enter Password:  Enter: opupmgr_password&lt;Return&gt;</pre>  | <p>Password must be verified by entering the same Password twice.</p> <p>If the Password entries do not match or are not valid, the request for a Password will be made again.</p> |
| <p style="text-align: center;"><b>NOTE</b></p> <p style="text-align: center;">It is <u>critical</u> that all input information displayed in step 24 is recorded and accurate. Examine the inputs and ensure all entries are correct before proceeding to the next step.</p> |  |  |
| 29.   | <p>When the following message appears:</p> <pre>Do you want to continue installation with selection? Yes or No [y,n,?,q]  If the inputs are correct, enter: <b>y&lt;Return&gt;</b> Continue to the next step.  If any information is incorrect, enter: <b>n&lt;Return&gt;</b> The software load process will go back to step 21.</pre> |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 30.  | <p>The software installation process will display the following information as the load progresses:</p> <p>Starting Installation.</p> <p>Beginning Installation Phase 1....</p> <p>Formatting Main SCSI Drive...</p> <p>Formatting Secondary SCSI Drive...</p> <p>Creating /export Filesystem...</p> <p>Creating /(root) Filesystem...</p> <p>Extracting /(root) Files...</p> <p>Creating /var Filesystem...</p> <p>Extracting /var Files....</p> <p>Creating /opt Filesystem...</p> <p>Creating /usr Filesystem...</p> <p>Extracting /usr Files...</p> <p>Creating /export/data Filesystem...</p> <p>Configuring the /devices directory</p> <p>Configuring the /dev directory</p> <p>Configuring the /dev directory (compatibility devices)</p> <p>The software load process will take approximately 15 to 25 minutes</p> | <p>The system installs the software from Disk 1, OPUP LOAD MEDIA Build 6.0.</p> <p>The dots (...) following these messages only act as progress indicators as the installation continues.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |
| 31.  | <p>When the following message appears:</p> <p>Installation Phase 1 complete.</p> <p>Press Return to reboot and start Phase 2.</p> <p>Press the &lt;Return&gt; key.</p> <p>The software load process will take approximately 3 to 4 minutes before the information in the next step is displayed.</p>   | <p>Initially the screen will go blank for about 30 seconds.</p>   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments  |
|--|---|---|
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the incorrect CD-ROM disk is inserted, the load process will display the message <code>Incorrect Disk</code>. The software load process will then eject the CD-ROM and again prompt for the correct CD-ROM. If you receive the <code>Incorrect Disk</code> message before the next disk is inserted, continue with the next disk.</p> |   |   |
| 32.  | <p>When the following message appears:</p> <pre>Beginning Installation Phase 2...</pre> <p>Please Insert OPUP LOAD MEDIA Disk 2, and press Return.</p> <ul style="list-style-type: none"> <li>• The CD-ROM drive door will open automatically.</li> <li>• Remove Disk 1 and place it in its protective sleeve.</li> <li>• Place Disk 2 into the tray.</li> <li>• Close the CD-ROM drive door.</li> <li>• Press the <b>&lt;Return&gt;</b> key.</li> </ul> <p>The following message will be displayed:</p> <pre>Extracting /export/install Files.....</pre> <p>This takes approximately 15 to 25 minutes.</p> | <p>The system installs the software from Disk 2, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 33.  | <p>When the following message appears:</p> <p>Please Insert OPUP LOAD MEDIA Disk 3,<br/>and press Return.</p> <ul style="list-style-type: none"><li>• The CD-ROM drive door will open automatically.</li><li>• Remove Disk 2 and place it in its protective sleeve.</li><li>• Place Disk 3 into the tray.</li><li>• Close the CD-ROM drive door.</li><li>• Press the <b>&lt;Return&gt;</b> key.</li></ul> <p>The following messages will be displayed:</p> <p>Extracting /opt Files.....<br/>Extracting /export/home Files...<br/>Copying Cisco IOS Files...</p> <p>This takes approximately 5 to 10 minutes.</p> | <p>The system installs the software from Disk 3, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 34.  | <p>When the following message appears:</p> <p>Please Insert OPUP LOAD MEDIA Disk 4,<br/>and press Return.</p> <ul style="list-style-type: none"><li>• The CD-ROM drive door will open automatically.</li><li>• Remove Disk 3 and place it in its protective sleeve.</li><li>• Place Disk 4 into the tray.</li><li>• Close the CD-ROM drive door.</li><li>• Press the <b>&lt;Return&gt;</b> key.</li></ul> <p>The following message will be displayed:</p> <p>Extracting Map Files.....</p> <p>This takes approximately 3 to 5 minutes.</p> | <p>The system installs the software from Disk 4, OPUP LOAD MEDIA Build 6.0.</p> <p>Any messages indicating a failure or error may indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 35.  | <p>When the following message appears:</p> <p>OPUP LOAD MEDIA Disk 4 Finished Loading.</p> <p>Please Remove OPUP LOAD MEDIA Disk 4, and press Return.</p> <ul style="list-style-type: none"><li>• The CD-ROM drive door will open automatically.</li><li>• Remove Disk 4 and place it in its protective sleeve.</li><li>• Close the CD-ROM drive door.</li><li>• Place the disks in a safe location for future use.</li><li>• Press the <b>&lt;Return&gt;</b> key.</li></ul> <p>The following message appears:</p> <p>Configure Third Party Software...</p> <p>Additional messages will be displayed for the next 5 to 10 minutes.</p> <p>The software load process continues.</p> | <p>Once the system is finished loading Disk 4, various amounts of information will scroll through the display monitor.</p> <p>Any information displayed after the string of periods indicate a defective disk. Call the WSR-88D Hotline for assistance.</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 36.  | <p>When the following message appears:</p> <p>Please use the right cable to connect the Cisco LAN Switch console port to Serial Port A on the OPUP Server.</p> <p>Press Return when ready to proceed or enter 'skip' to skip the Cisco configuration.</p> <p>Enter:<br/><b>skip&lt;Return&gt;</b></p> <p>This process can take up to 5 minutes to complete.</p> <p>The OPUP will automatically reboot. Wait for the CDE Login screen to be displayed.</p> | <p>The <b>skip</b> command will by-pass the Communication Switch UD80A18 configuration and install the remaining software items.</p> <p>If continually prompted to enter the "skip" before the command can be entered, continue with this step.</p> |
| 37.  | <p>At the CDE Login screen, in the Please enter your user name edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p>  |   |
| 38.  | <p>At the CDE Login screen, in the Please enter your password edit box, enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p> <p>The system will advance past the login point to the CDE Front Panel.</p>  | <p>The opupmgr Password must be exactly the same Password that was assigned in step <a href="#">2</a>.</p>  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments   |
|--|--|--|
| 39.  | <p>When the Netscape: New Site Certificate window appears:</p> <ul style="list-style-type: none"> <li>Click on the <b>Next&gt;</b> button</li> <li>Click on the <b>Next&gt;</b> button</li> <li>Click to select the Radio Button <b>Accept this certificate forever (until it expires)</b></li> <li>Click on the <b>Next&gt;</b> button</li> <li>Click on the <b>Next&gt;</b> button</li> <li>Click on the <b>Finish</b> button.</li> </ul> <p>The Netscape: New Site Certificate window closes.</p> | This step allows the user to setup and accept the Netscape security parameters for OPUP use. |
| 40.  | <p>In the Netscape: Password window, in the User ID: edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p>   | The configuration process will go to the next step.  |
| 41.  | <p>In the Password: edit box, enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p>   | The opupmgr Password must be exactly the same Password that was assigned in step 2.          |
| 42.  | <p>When the Netscape: Secure Document window appears,</p> <ul style="list-style-type: none"> <li>Click on the <b>Show this Alert Next Time</b> checkbox to uncheck it.</li> <li>Click on the <b>OK</b> button.</li> </ul>  |  |
| 43.  | <p>When the Netscape: OPUP Manager Start OPUP window appears:</p> <p>Click on the <b>Next</b> button.</p>  | The login process will go to the next prompt.  |
| <p style="text-align: center;"><b>NOTE</b></p> <p>Refer to the software input parameters recorded in step 2 for the steps that follow.</p> |  |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 44.  | <p>In the OPUP Password Information: block, click in the first Password field, enter:<br/><i>Security_Level_1_Password</i> &lt;Tab&gt;</p> <p>Using the &lt;Tab&gt; key, move through the rest of the fields. Enter all appropriate Passwords and Password confirmations, as required, for all three security levels.</p>   | Each security level must have a unique Password.  |
| 45.  | <p>At the OPUP Size and Dial Line Information: block, in the Enter OPUP Size Configuration (1 for Large, 2 for Medium, 3 for Small): edit box, enter:<br/><b>1</b>&lt;Tab&gt;</p>   | This step selects a Large OPUP configuration.   |
| 46.  | <p>At the Enter # of Available Dial Lines (1 to 8) edit box, enter:<br/><i>Appropriate_number_of_dial_lines</i>&lt;Tab&gt;</p>  | The Large OPUP configuration can use up to 8 dial lines. Ensure this is correct for this configuration.   |
| 47.  | <p>At the OPUP Product Distribution Information: block, in the Enter OPUP Distribution Contact Name edit box, perform the following:</p> <ul style="list-style-type: none"> <li>• Delete the current entry.</li> <li>• Enter:<br/><i>site_specific_contact_name</i>&lt;Tab&gt;</li> <li>• In the Enter OPUP Distribution Contact Phone Number: edit box, enter:<br/><i>phone_number</i>&lt;Tab&gt;</li> </ul> | <p>This is the POC information. Enter the Name of the Office (i.e. Tinker Base Weather) and the telephone number with area code. DO NOT use dashes.</p> <p>DO NOT leave these fields blank!</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 48.  | <p>At the Cisco Router Passwords: block, in the Enter Current Router Password: edit box, enter:</p> <ul style="list-style-type: none"> <li>• <i>Current_Router_Password</i>, then</li> <li>• Click in the Enter New Router Password: edit box, enter:<br/><i>New_Router_Password</i>&lt;Tab&gt;</li> <li>• In the Re-Enter Password: edit box, enter:<br/><i>New_Router_Password</i>&lt;Tab&gt;</li> <li>• In the Enter Current Enable Password: edit box, enter:<br/><i>Current_Enable_Password</i>&lt;Tab&gt;</li> <li>• In the Enter New Enable Password: edit box, enter:<br/><i>New_Enable_Password</i>&lt;Tab&gt;</li> <li>• In the Re-Enter Password: edit box, enter:<br/><i>New_Enable_Password</i></li> <li>• Click on the <b>Next</b> button.</li> </ul> | If the Current Router Password or the Current Enable Password is entered incorrectly, the router configuration will fail in later steps. |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 49.  | <p>If the following message appears at the Netscape: PUP Information Entered window:</p> <p>PUP Information - has been Created</p> <p>Click on the <b>Next</b> button and continue to next step.</p> <p>Otherwise, if the following message appears:</p> <p>PUP Information not Correct</p> <ul style="list-style-type: none"> <li>• Determine which information is incorrect.</li> <li>• Click on the <b>Return to Last Screen</b> button.</li> <li>• Make the necessary corrections.</li> <li>• Restart this step.</li> </ul> | <p>If the information in step 48 is correct, the configuration process will go to the next step. If not, step 48 will need to be repeated after all input information has been verified to be correct.</p> |
| 50.  | <p>At the Netscape: OPUP Select Base Information window, click on the appropriate button for the system type selected in step 21.</p> <p>Record in the space provided in step 2.</p>  |  |
| 51.  | <p>At the Netscape: Select Base Installation window, in the Select Base block, highlight the applicable Base name by clicking on it. (If necessary, use the scroll bar to locate the Base name.) When the selected Base is highlighted, click on the <b>Next</b> button.</p> <p>Record the Base in the space provided in step 2.</p> <p>The configuration process will go to the next step.</p>   |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 52.  | <p>At the Netscape: OPUP Manager Create New RPG Information window, verify your Base is correctly displayed in the middle of the window.</p> <p>If the Base is correct, click on the <b>Yes</b> button. The configuration process will go to the next step.</p> <p>If the Base is incorrect, click on the <b>Return to Last Screen</b> button to return to the Netscape: Select Base Installation window and select the correct Base.</p>  |  |
| 53.  | <p>At the Netscape: Add RPG Information from list window, perform the following:</p> <p>Click on the <b>Next</b> button.</p>   | Each site's dial and dedicated RPGs will be configured. If more dial sites are needed after installation, contact WSR-88D Hotline. |
| 54.  | <p>At the Netscape: RPG Information Entered window, click on the <b>Next</b> button.</p> <p>The configuration process will go to the next step.</p>  |  |
| 55.  | <p>Perform the following steps to connect the Cisco Configuration Cable, part number 72-3663-01, to the Communication Router UD80A3:</p> <ul style="list-style-type: none"> <li>• Connect the RJ45 end of Cisco configuration cable to the CONSOLE port at the rear of the communication router.</li> <li>• Connect the other end of the Cisco configuration cable to a Null Modem adapter.</li> <li>• Connect the Null Modem adapter to the Serial Port A connector on the rear of the Dataserver UD80A11.</li> </ul> |  |
| 56.  | <p>At the Netscape: OPUP Manager Configure OPUP window, click on the <b>Configure OPUP</b> button and then click on the <b>Yes</b> button to confirm.</p> <p>This take approximately 5 to 15 minutes. When finished, a Netscape: OPUP Manager Configure OPUP window will be displayed with an OPUP has been Configured message.</p>  |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response   | Comments |
|---|---|----------|
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the following message appears:</p> <p>OPUP has been Configured But.....Final Cisco Router Configuration Failed. Before OPUP could be operational you must manually configure Router. Please follow the instructions, to manually configure Cisco Router.</p> <p>Proceed to NWS EHB 6-537, AFTO 31P1-4-108-459-2, Navy EM400-A4-MMO-010, Table 3-11, Software Installation Recovery Procedures, and consult the Communication Router recovery procedure outlined in item number 6. Return to step <a href="#">57</a> when finished.</p> |   |          |
| 57.   | At the rear of the Communication Router UD80A3, unplug the RJ45 end of the Cisco configuration cable from the CONSOLE port.   |          |
| 58.   | <p>At the rear of the Dataserver UD80A11, disconnect the other end of the Cisco configuration cable and Null Modem Adapter from Port A.</p> <p>Store this cable and null modem for future software installations and troubleshooting.</p>                                       |          |
| 59.   | <p>At the Netscape: OPUP Manager Configure OPUP window:</p> <ul style="list-style-type: none"> <li>Click on the <b>Return to Last Screen</b> button.</li> <li>Click on the <b>OPUP Manager Main Menu</b> button.</li> </ul> <p>The OPUP Manager Main Menu will be displayed</p> |          |
| 60.   | <p>At the OPUP Manager Main Menu, click on the <b>OPUP Workstation Menu</b> button.</p> <p>A Netscape: OPUP Workstation Menu window appears.</p>  |          |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 61.  | Click on the <b>Add New Workstation</b> button.<br><br>A Netscape: OPUP Manager Add New Workstation window appears  |   |
| 62.  | At the Ethernet Address: area, click in the text edit box, and<br>Enter:<br><i>Display_Server_Ethernet-Address</i><br><br><ul style="list-style-type: none"> <li>Click the box to select the <b>Select to add Display Server</b> option.</li> <li>Click on the <b>Save</b> button.</li> </ul> | Refer to step 2 for the recorded Display Server Ethernet-Address. |
| 63.  | When the Netscape: Workstation Information Complete window appears and displays the message:<br><br>The following workstations have been added:<br><br>Verify the Ethernet-Address is correct.  |   |
| 64.  | Click on the <b>Add New Workstation</b> button.   |   |
| 65.  | At the Ethernet Address: area, click in the text edit box, and<br>Enter:<br><i>Workstation1_Ethernet-Address</i><br><br>Click on the <b>Save</b> button.  | Refer to step 2 for the recorded Workstation 1 Ethernet-Address.  |
| 66.  | When the Netscape: Workstation Information Complete window appears and displays the message:<br><br>The following workstations have been added:<br><br>Verify the Ethernet-Address is correct.  |   |
| 67.  | Repeat steps 63 through 66 for all additional workstations. When all workstations have been added, continue to the next step.   |   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 68.  | <p>When the Netscape: Workstation Information Complete window appears and displays the message:</p> <p>The following workstations have been added</p> <p>Click on the <b>Return to Main Menu</b> button.</p> <p>The OPUP Manager Main Menu appears</p> |   |
| 69.  | <p>At the OPUP Manager Main Menu window,</p> <p>Click the <b>File</b> selection near the top left corner of the window.</p> <p>When the pull down menu opens, click the <b>Exit</b> selection at the bottom of the menu.</p>                           | It is important to close this window prior to continuing to the next step in order to refresh the data supplied to this window. |
| 70.  | <p>When the following message appears at the Netscape: Question window:</p> <p>Close all windows and exit Netscape?</p> <p>Click on the <b>OK</b> button.</p> <p>The OPUP Manager Main Menu window closes.</p>   |   |
| 71.  | <p>Click on the <b>EXIT</b> button on the CDE Front Panel and then click on the <b>OK</b> button in the Logout Confirmation window.</p>  | This step exits the desktop session and displays the CDE Login screen.  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 72.  | <p>At the KVM Switch UD80A8, press button <b>2</b>.</p> <p>The LED associated with button 2 will now be on (illuminated).</p> <p>At the {0}ok prompt, enter:<br/><b>boot net - install&lt;Return&gt;</b></p> <p>If an {0}ok prompt reappears, press <b>&lt;Return&gt;</b>, then repeat step <a href="#">72</a>.</p> <p>This installation will take approximately 60 to 75 minutes. When finished, the CDE Login screen will be displayed.</p> <p>While the display server is being installed, continue with the next step.</p>   | <p>There must be a <b>space on both sides of the dash</b> for this boot command to work properly.</p> <p>This step ensures that the Display Server UD80A12 is selected and the proper command is used to initiate a display server software installation routine.</p>                        |
| 73.  | <p>At each OPUP Display Workstation(s) UD85, at the ok prompt, enter:<br/><b>boot net - install&lt;Return&gt;</b></p> <p>If an ok prompt reappears, press <b>&lt;Return&gt;</b>, then repeat step <a href="#">73</a>.</p> <p>Ensure the above command is performed at all display workstations.</p> <p>This installation will take approximately 60 to 75 minutes per display workstation. When finished, the display workstation CDE Login screen will be displayed.</p> <p>Do not continue with procedure until all display workstations display the CDE Login screen.</p> | <p>There must be a <b>space on both sides of the dash</b> for this boot command to work properly.</p> <p>This step ensures that each display workstation is selected and uses a command to invoke Jumpstart software package which initiates an automatic software installation routine.</p> |
| 74.  | <p>When the OPUP display server CDE Login screen appears on the monitor, go to the next step.</p>  | <p>Wait until the OPUP display server displays the CDE Login screen <u>before</u> proceeding to the next step.</p>   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments  |
|------|---|---|
| 75.  | <p>At the KVM Switch UD80A8, press button <b>1</b>.</p> <p>If the screen saver feature has been engaged, move the mouse or press the <b>&lt;Shift&gt;</b> key to deactivate the screen saver.</p> <p>If the screen saver feature has not been engaged, go to the next step.</p> | <p>The button 1 LED will now be on (illuminated).</p> <p>The Dataserver UD80A11 (upper server position) will display data on the monitor screen.</p>                  |
| 76.  | <p>When the CDE Login screen appears, in the Please enter your user name edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p>  |   |
| 77.  | <p>At the CDE Login screen, in the Please enter your password edit box, enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p>  | <p>The opupmgr Password must be the same Password assigned in step <a href="#">2</a>.</p> <p>The system will advance past the login point to the CDE Front Panel.</p> |
| 78.  | <p>Click on the <b>Netscape World</b> on the far left side of the CDE Front Panel to start Netscape.</p> <p>A Netscape window opens. This takes approximately 20 to 30 seconds.</p>   |   |
| 79.  | <p>Click anywhere on the <b>gray background</b> area of the Netscape window to get the Netscape: Password window to display.</p> <p>Netscape: Password window opens.</p>  |   |
| 80.  | <p>In the Netscape: Password window, in the User ID: edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p>  |   |
| 81.  | <p>In the Password: edit box, enter:<br/><b>opupmgr_password&lt;Return&gt;</b></p> <p>The OPUP Manager Main Menu will be displayed.</p>   | <p>The opupmgr Password must be the same Password assigned in step <a href="#">2</a>.</p>   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 82.  | <p>At the OPUP cabinet, with the OPUP Manager Main Menu displayed, perform the following:</p> <ul style="list-style-type: none"> <li>Click on the <b>OPUP Software Menu</b> button.</li> <li>Click on the <b>Start OPUP</b> button within the OPUP Software Menu.</li> <li>Click on the <b>Yes</b> button at the confirmation window.</li> </ul> <p>The OPUP process will take 1 to 2 minutes to start. Continue with the next step, however.</p> | This will start the OPUP software.   |
| 83.  | <p>At the Netscape: OPUP Manager Start OPUP window:</p> <p>Click on the <b>Return to OPUP Software Menu</b> button.</p> <p>The OPUP Software Menu will be displayed.</p>  |  |
| 84.  | <ul style="list-style-type: none"> <li>Click on the <b>OPUP Process Status</b> button. An OPUP Process Status window will appear. Wait 1 to 2 minutes for the OPUP Processes to start.</li> <li>Click on the <b>Refresh</b> button, as needed, until all OPUP App/Task processes have started.</li> </ul> <p>When all the OPUP App/Task processes are started, go to the next step.</p>   | <p>This window is divided into two sections.</p> <p>The top section titled OPUP Process Status and displays the dataserver processes. The bottom section is titled OPUP Display Server Process Status and displays the display server processes.</p> <p>Every process listed in the OPUP App/Task portion will have a PID (Process Identification) number assigned once the OPUP is completely started.</p> <p>The OPUP GUI App portion will not display active application processes.</p> |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments   |
|--|--|--|
| 85.  | <p>Click on the <b>Workstation Processes</b> button. An OPUP Workstation Process Status window will appear.</p> <p>Verify each workstation has both processes started in the OPUP App/Task area, then go to the next step.</p>   | <p>Each workstation has a separate section displaying its tasks list.</p> <p>The OPUP GUI App portion will not display active application processes.</p> |
| 86.  | <p>Click on the <b>Return To Main Menu</b> button.</p> <p>OPUP Manager Main Menu will be displayed.</p>  |  |
| 87.  | <p>At the OPUP Manager Main Menu window, click on the <b>OPUP Users Menu</b> button.</p> <p>An OPUP Users Menu will be displayed.</p>  | <p>The menu will go to the next step. This menu will be used to enter a unique User Name and Password.</p>   |
| <p style="text-align: center;"><b>NOTE</b></p> <p>Case is important for both User Name and Passwords when they are defined. Future access to both will require the exact case for each letter as entered here.</p> <p>Each User Name must meet the following minimum composition requirements:</p> <ul style="list-style-type: none"> <li>• Be at least a minimum of <u>three</u> characters in length.</li> <li>• Contain at least <u>two</u> alpha characters (A through Z or a through z).</li> <li>• Contain at least <u>one</u> number (0 through 9) or one of the following special characters (!, @, %, -, +, _, {, [, #, or =).</li> </ul> |  |  |
| 88.  | <ul style="list-style-type: none"> <li>• Click on the <b>Add New User</b> button.</li> <li>• Click in the User Name: edit box to activate the field for text entry.</li> <li>• Enter any combination of letters and numbers to define a unique User Name that meets the requirements stated in the note above.</li> <li>• Record the User Name in the space provided in step 2.</li> </ul> | <p>A unique User Name should now be entered, verified, and recorded in the space provided in step 2.</p>   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments  |
|--|--|---|
| <p style="text-align: center;"><b>NOTE</b></p> <p>Each Password must meet the following minimum composition requirements:</p> <ul style="list-style-type: none"> <li>• Be at least a minimum of <u>eight</u> characters in length.</li> <li>• Contain at least <u>one</u> UPPERCASE character (A through Z).</li> <li>• Contain at least <u>one</u> lowercase character (a through z).</li> <li>• Contain at least <u>one</u> number (0 through 9).</li> <li>• Contain at least <u>one</u> special character (!, @, %, (, -, +, {, [, #, =, &amp;, *). All "special" entries must be within the first 8 characters.</li> </ul> |  |   |
| 89.  | <ul style="list-style-type: none"> <li>• Click on the <code>Password:</code> edit window to activate the window field for text entry and enter the Password for the user.</li> <li>• Enter a Password that meets the requirements in the note above.</li> <li>• Click in the <code>Reenter password:</code> edit window to activate the window field for text entry and then reenter the Password exactly as entered above.</li> <li>• Record the Password exactly as entered in this step in the space provided in step 2.</li> </ul> | <p>This step ensures that the Password is not mistyped/ misspelled. It should also be recorded in the space provided in step 2 of these instructions.</p> <p>If the Password doesn't meet the security requirements, follow the on-screen instructions.</p> |
| 90.  | <p>Click on the <b>Save</b> button. When the <code>Netscape: Display User Info Entered</code> window and <code>OPUP User user_name - Successfully Created</code> message is displayed, click on the <b>Return To Main Menu</b> button.</p> <p>The <code>OPUP Manager Main Menu</code> is displayed.</p>  | <p>The User Name is displayed as part of the window title.</p> <p>Additional Users can be added at this time by repeating steps 88 through 90 for each additional User.</p>   |
| 91.  | <p>At the CDE Front Panel, move the mouse cursor over the <b>Netscape World</b> icon.</p> <p>The current day, date, and time in GMT should be displayed.</p>   |   |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 92.  | While leaving the mouse cursor over the <b>Netscape World</b> icon, inspect the day, date, and time. If the time is off by more than 1 minute, go to the next step. Otherwise, go to step 100.   | If the day, date, and time information will not display, go to the next step.  |
| 93.  | Within the CDE Front Panel, click on the <b>up</b> arrow located just above the <b>cpu disk</b> icon.<br><br>A <code>Hosts</code> pop-up menu will be displayed.   |  |
| 94.  | Click on the <b>This Host</b> icon.<br><br>A <code>Terminal</code> window opens with an <code>/export/home/opupmgr&gt;</code> prompt.  |  |
| 95.  | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>date&lt;Return&gt;</b><br><br>The current day of the week, month, day, GMT time (hh:mm:ss), year should now be displayed.<br><br>If the time is off by more than 1 minute, go to the next step. Otherwise, go to step 100. |  |
| 96.  | Obtain an accurate time source (e.g. WWV 303-499-7111).<br><br>At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>sudo date mmddHHMM[cc][yy][.ss]</b> (Do Not press the <Return> key).<br><br>Use GMT time.   | Everything after the minutes entry ("MM") is optional. However, the most accurate method to update the time is to, at a minimum, enter the HHMM.ss parameters. The following information applies:<br><br>mm= Month<br>dd= Day<br>HH= GMT Hour<br>MM=Minute<br><br>Optional entries (normally not entered):<br><br>cc= Century minus 1<br>yy= Year<br>ss= Seconds |
| 97.  | Using the chosen time source, press <b>&lt;Return&gt;</b> at the exact time the above entered time occurs.   |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response   | Comments   |
|--|---|--|
| 98.  | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>date&lt;Return&gt;</b>  | Verify the OPUP system time was updated.   |
| 99.  | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>exit&lt;Return&gt;</b><br><br>The Terminal window closes.   |  |
| 100.   | Go to one of the Display Workstations UD85. Ensure that the CDE Login screen is displayed before going to the next step.  | Each display workstation is connected to the Large OPUP via CAT5 cable. Each workstation was added to the software during step <a href="#">63</a> through <a href="#">65</a> . |
| <p style="text-align: center;"><b>NOTE</b></p> <p>If the font used to display the Security Warning portion of the CDE Login screen is too large making the screen unreadable, perform the following steps <a href="#">101</a> through <a href="#">111</a>. These steps may be required at all workstations. If the CDE Login readable, skip to step <a href="#">112</a>.</p> |   |  |
| 101.   | When the CDE Login screen appears, in the Please enter your user name edit box, enter:<br><b>opupmgr&lt;Return&gt;</b>  |  |
| 102.   | At the CDE Login screen, in the Please enter your password edit box, enter:<br><b>opupmgr_password&lt;Return&gt;</b>  | The opupmgr Password must be the same Password assigned in step <a href="#">2</a> .  |
| 103.   | Click on the <b>Netscape World</b> icon on the far left side of the CDE Front Panel to start Netscape.<br><br>A Netscape window opens. This takes approximately 20 to 30 seconds. |  |
| 104.   | Click anywhere on the <b>gray background</b> area of the Netscape window to get the Netscape: Password window to display.<br><br>Netscape: Password window opens.                 |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 105. | In the Netscape: Password window, in the User ID: edit box,<br>enter:<br><b>opupmgr&lt;Return&gt;</b>   |  |
| 106. | In the Password: edit box,<br>enter:<br><i>opupmgr_password&lt;Return&gt;</i><br><br>The OPUP Manager Main Menu will be displayed.  | The opupmgr Password must be the same Password assigned in step 2.               |
| 107. | Within the CDE Front Panel, click on the <b>up</b> arrow located just above the <b>cpu disk</b> icon.<br><br>A Hosts pop-up menu will then be displayed.                        |  |
| 108. | Click on the <b>This Host</b> icon.<br><br>A Terminal window opens with an /export/home/opupmgr> prompt.  |  |
| 109. | At the /export/home/opupmgr> prompt.<br>enter:<br><b>/usr/sbin/afbconfig -res 1280x1024x76&lt;Return&gt;</b>  |  |
| 110. | At the abconfig: Use 1280x1024x76 anyway? prompt,<br>enter:<br><b>y&lt;Return&gt;</b>   |  |
| 111. | Click on the <b>EXIT</b> button located near the bottom center of the CDE Front Panel and then click the <b>OK</b> button.<br><br>The CDE Login screen should now be displayed. | This procedure exits the user and displays the CDE Login screen.                 |
| 112. | At a display workstation CDE Login screen, in the Please enter your user name edit box,<br>enter:<br><i>User_Name&lt;Return&gt;</i>   | Use the User Name created in step 88. The login screen will go to the next step. |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 113. | At a display workstation CDE Login screen, in the <code>Please enter your password</code> edit box, enter:<br><code>User_Password&lt;Return&gt;</code>   | The User ID Password must be exactly the same Password that was entered in step 89.<br><br>The system will advance past the login point to the OPUP Operational Applications Front Panel GUI Suite. A choice of icons will be displayed at the Front Panel. |
| 114. | Click on the <b>Status &amp; Control</b> icon located near the left corner of the Operational Applications Front Panel.<br><br>This will take approximately 15 to 20 seconds for the map to appear.  | A <code>Status and Control-OPUP 6.0</code> window will be displayed showing a map appropriate for your region .   |
| 115. | At the <code>Status and Control-OPUP 6.0</code> window, verify a green dot is present on the map for your location.<br><br>If multiple RPGs are shown, ensure at least one RPG location is communicating with the OPUP as indicated by a green dot for that location.  | If a green dot is not present, a communication failure exists between the RPG and the OPUP. Contact the WSR-88D Hotline for assistance.   |
| 116. | Restore the site's adaptable parameters (printed/ copied from steps 3 and 4) into the appropriate windows.   |   |
| 117. | If green dots are present, close the <code>Status and Control-OPUP 6.0</code> window by clicking on the <b>double red arrows</b> in the upper right corner.  |   |
| 118. | At the Operational Applications Front Panel, click on the <b>Product Display</b> icon located near the left side of the Front Panel.<br><br>This will take approximately 15 to 20 seconds. Two windows will open, the <code>Product Display GUI</code> and the <code>Toolbar</code> . Two pop-up windows will also open. | The Product Display GUI will have 12 individual display windows that can be selected in the next step.  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step   | Action/Response  | Comments   |
|--|--|--|
| 119.   | <p>In the <code>Alert Registration</code> window, click on the <b>Register Selected</b> button.</p> <p>For the <code>Alert Database Empty!</code> windows, click on the <b>OK</b> button to acknowledge and close.</p>   | This closes the unnecessary display windows at this time.  |
| 120.   | <p>Choose any one of the 12 GUI windows displayed and then click on the <b>Open Product Selection Dialog</b> bar (green button located near the top left of the chosen GUI window).</p> <p>A <code>Product Selection</code> pop-up window will be displayed.</p>   |  |
| 121.   | <ul style="list-style-type: none"> <li>Click on the <b>Category</b> button.</li> <li>Click on a product listed within the Drop Down Product List box.</li> <li>Click on a desired product parameter (elevation and resolution) and RPGID, then click on the <b>Apply</b> button.</li> </ul> <p>A product should be displayed within the chosen PDGUI window.</p> | The procedures within this step allows the user to select and display a specific product within the chosen display GUI window. |
| <p style="text-align: center;"><b>NOTE</b></p> <p style="text-align: center;">If a product is not displayed after completing step <a href="#">121</a>, repeat step <a href="#">121</a> and select a different product. If the associated RPG is not connected, the product may not display at this time.</p> |  |  |
| 122.   | <p>Click on the <b>EXIT</b> button located near the bottom center of the CDE Front Panel and then click the <b>OK</b> button.</p> <p>The CDE Login screen should now be displayed.</p>   | This procedure exits the user and displays the CDE Login screen.   |
| 123.   | <p>When the CDE Login screen appears, in the <code>Please enter your user name</code> edit box, enter:<br/><b>opupmgr&lt;Return&gt;</b></p>  |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step | Action/Response   | Comments   |
|------|---|--|
| 124. | At the CDE Login screen, in the Please enter your password edit box, enter:<br><i>opupmgr_password</i> <Return>   | The opupmgr Password must be the same Password assigned in step 2. |
| 125. | Click on the <b>Netscape World</b> icon on the far left side of the CDE Front Panel to start Netscape.<br><br>A Netscape window opens. This takes approximately 20 to 30 seconds. |  |
| 126. | Click anywhere on the <b>gray background</b> area of the Netscape window to get the Netscape: Password window to display.<br><br>Netscape: Password window opens.                 |  |
| 127. | In the Netscape: Password window, in the User ID: edit box, enter:<br><b>opupmgr</b> <Return>   |  |
| 128. | In the Password: edit box, enter:<br><i>opupmgr_password</i> <Return><br><br>The OPUP Manager Main Menu will be displayed.  | The opupmgr Password must be the same Password assigned in step 2. |
| 129. | If a printer is installed, refer to NWS EHB 6-537, AFTO 31P1-4-108-459-2, Navy EM400-A4-MMO-010, paragraph 6.6.7 to add and configure the printer.                                |  |
| 130. | To add additional users refer to NWS EHB 6-537, AFTO 31P1-4-108-459-2, Navy EM400-A4-MMO-010, paragraph 5.2.5.  |  |

## ATTACHMENT 3 (Continued)

## LARGE OPUP SOFTWARE BUILD 6.0 LOAD PROCEDURES

| Step  | Action/Response  | Comments   |
|---|--|--|
| 131.  | <p>When the OPUP Manager Main Menu appears, perform the following:</p> <ul style="list-style-type: none"> <li>Click on the <b>OPUP Server Control Menu</b> button.</li> <li>Click on the <b>Restart Server</b> button within the OPUP Server Control Menu.</li> <li>Click on the <b>Yes</b> button at the confirmation window.</li> </ul> <p>The OPUP server will reboot and return to the CDE Login screen. This process will take 1 to 5 minutes for each workstation.</p> | These procedures restart the OPUP server hardware and software.  |
| 132.  | When the CDE Login screen appears, in the Please enter your user name edit box, login as a normal user.  |  |
| <p style="text-align: center;"><b>NOTES</b></p> <p>If products are being received, proceed to <a href="#">ATTACHMENT 4</a>. Place the OPUP in a normal operating position.</p> <p>If the Large OPUP is not functioning and/or the software load procedure was not successful, immediately contact the WSR-88D Hotline at 1-800-643-3363 for further assistance.</p> |  |  |
| 133.  | Store any copies of the software input parameters in step <a href="#">2</a> that may have been made in a safe location.  | Entries in step <a href="#">2</a> contain Password information that must be kept from being compromised. |
| 134.  | Proceed to <a href="#">ATTACHMENT 4</a> to configure the Communications Switch UD80A18.  |  |

## ATTACHMENT 4

## SWITCH CONFIGURATION LOAD PROCEDURES

## Tools Required:

Cisco Configuration cable (part number 72-3663-01)

Null Modem adapter

## Initial Condition:

Software Build 6.0 has been successfully installed.

| Step | Action/Response   | Comments   |
|------|---|--|
| 1.   | Ensure at the rear of the (Database) Server UD80A11 (upper server position in a Large OPUP configuration), that the Null Modem Adapter is connected to Serial port A (bottom 25-pin connector on far left edge of the server) and that the RJ45 end is connected to the CONSOLE port at the back of the Switch UD80A18.   |  |
| 2.   | (For Large OPUP Configuration only): At the KVM Switch UD80A8, press the "1" LED button. This ensures the Dataserver UD80A11 is connected to the Monitor UD80A7.  |  |
| 3.   | At the CDE Front Panel, open TWO Host Terminal windows as follows: <ul style="list-style-type: none"> <li>Click on <b>Up arrow</b> located above the <b>cpu disk</b> icon. A <b>Hosts</b> pop-up window will be displayed.</li> <li>At the <b>Hosts</b> pop-up window, click on the <b>This Host</b> icon. A Terminal window will be displayed with an <code>/export/home/opupmgr&gt;</code> prompt.</li> <li>Repeat steps a and b to open a second Terminal window.</li> </ul> | After opening the second Terminal window, the first Terminal window may be hidden by the OPUP Manager Main Menu. |
| 4.   | At the first Terminal window <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>su&lt;Return&gt;</b><br><br>Feedback: <b>Password:</b> prompt appears.  |  |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step   | Action/Response  | Comments |
|--|--|----------|
| 5.   | At the <code>Password:</code> prompt,<br>enter:<br><code>root_password&lt;Return&gt;</code><br><br>A <code>#</code> prompt appears.  |          |
| 6.   | At the <code>#</code> prompt,<br>enter:<br><code>tip -9600 /dev/cua/a&lt;Return&gt;</code><br><br>Feedback: <code>connected</code>   |          |
| 7.   | Below the <code>connected</code> feedback line,<br>enter:<br><code>&lt;Return&gt;</code> to finish establishing the connection. A<br>prompt should appear.<br><br>A <code>Switch&gt;, opupcisco&gt;, or Continue with<br/>Configuration Dialog?</code> prompt will appear. |          |
| 8.   | Cycle power to the Communication Switch<br>UD80A18 by unplugging the AC power cord from the<br>rear of the communication switch momentarily, and<br>plugging it back in.   |          |
| <p style="text-align: center;"><b>NOTE</b></p> <p>After power is cycled and the communication switch software boots up, one of two final prompts will be displayed on the Monitor UD80A7. The final prompt displayed depends on whether the communication switch has been previously configured or not.</p>  |  |          |
| 9.   | <p>If the final displayed prompt is as follows:</p> <p style="margin-left: 40px;">a. <code>Continue with configuration<br/>dialog? [yes/no]:</code>, proceed to step 10<br/>to start an initial configuration procedure,<br/>otherwise continue with step 9b.</p>          |          |
| <p style="text-align: center;"><b>NOTE</b></p> <p>In the following step, once the message <code>Press RETURN to get<br/>started</code> is displayed and <code>&lt;Return&gt;</code> is not pressed, approximately<br/>eight more lines of text will be displayed, with the last line beginning<br/>with <code>Compiled . . . .</code> and ending with <code>by . . . .</code>. This is normal.</p> |  |          |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step | Action/Response   | Comments |
|------|---|----------|
|      | <p>b. At the Press RETURN to get started! prompt,<br/>enter:<br/><b>&lt;Return&gt;</b></p> <p>Feedback: opupcisco&gt; prompt appears.</p>                               |          |
|      | <p>c. At the opupcisco&gt; prompt,<br/>enter:<br/><b>enable&lt;Return&gt;</b></p> <p>Feedback: Password: prompt appears.</p>  |          |
|      | <p>d. At the Password: prompt,<br/>enter:<br/><b>opup4cisco&lt;Return&gt;</b></p> <p>Feedback: opupcisco# prompt appears.</p>   |          |
|      | <p>e. At the opupcisco# prompt,<br/>enter:<br/><b>delete flash:config.text&lt;Return&gt;</b></p> <p>Feedback: Delete<br/>filename[config.text]? appears.</p>            |          |
|      | <p>f. At the delete<br/>filename[config.text]? response,<br/>enter:<br/><b>&lt;Return&gt;</b></p> <p>Feedback: Delete<br/>flash:config.text? [confirm]<br/>appears.</p> |          |
|      | <p>g. At the Delete flash:config.text?<br/>[confirm] response,<br/>enter:<br/><b>&lt;Return&gt;</b></p> <p>Feedback: opupcisco# prompt appears.</p>                     |          |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step   | Action/Response   | Comments  |
|--|---|---|
|  | h. At the <code>opupcisco#</code> prompt,<br>enter:<br><b>reload&lt;Return&gt;</b><br><br>Feedback: Proceed with reload?<br><code>[confirm]</code> appears.                       |   |
|  | i. At the Proceed with reload?<br><code>[confirm]</code> response,<br>enter:<br><b>&lt;Return&gt;</b>   | Recycles power to the communications switch and reboots the software. |
| 10.  | At the Continue with configuration<br>dialog? <code>[yes/no]:</code> prompt,<br>enter:<br><b>n&lt;Return&gt;</b><br><br>Feedback: Press RETURN to get started.<br>prompt appears. |   |
| <b>NOTES</b><br><br>In the following step, once the message Press RETURN to get started is displayed and <b>&lt;Return&gt;</b> is not pressed, approximately eight more lines of text may be displayed, with the last line beginning with Compiled . . . .and ending with by . . . . This is normal. |   |   |
| 11.  | At the Press RETURN to get started!<br>prompt,<br>enter:<br><b>&lt;Return&gt;</b><br><br>Feedback: Switch> prompt appears.  |   |
| 12.  | At the Switch> prompt,<br>enter:<br><b>enable&lt;Return&gt;</b><br><br>Feedback: Switch# prompt appears.  |   |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 13.  | At the Switch# prompt,<br>enter:<br><b>conf t&lt;Return&gt;</b><br><br>Feedback: Enter configuration commands,<br>one per line. End with CNTL/Z., followed<br>by a Switch(config)# prompt. |   |
| 14.  | At the Switch(config)# prompt,<br>enter:<br><b>int vlan1&lt;Return&gt;</b><br><br>Feedback: Switch(config-if)# prompt<br>appears.  |   |
| 15.  | At the Switch(config-if)# prompt, enter the<br>site dependent IP address string as follows:<br><br><b>ip address 10.5.===.3 255.255.255.0&lt;Return&gt;</b>                                | Where === is the two or three digit<br>site-specific third octet number of the<br>IP address. Refer to <a href="#">ATTACHMENT 3</a> ,<br>step 2 for Large OPUP, or refer to<br><a href="#">ATTACHMENT 2</a> , step 2 for Medium<br>OPUP, where the IP addresses were<br>recorded. |
| 16.  | At the Switch(config-if)# prompt,<br>enter:<br><b>exit&lt;Return&gt;</b><br><br>Feedback: Switch(config)# prompt appears.  |   |
| 17.  | At the Switch(config)# prompt,<br>enter:<br><b>exit&lt;Return&gt;</b><br><br>Feedback: Switch# and Configured from<br>console by console prompts appear.                                   |   |
| 18.  | At the Configured from console by console<br>prompt,<br>enter:<br><b>&lt;Return&gt;</b><br><br>Feedback: Switch# prompt appears.   |   |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step  | Action/Response  | Comments  |
|---|--|---|
| 19.   | At the Switch# prompt,<br>enter:<br><b>write mem&lt;Return&gt;</b><br><br>Feedback: Building Configuration ... and the Switch# prompt will appear.   |   |
| 20.   | At the Switch# prompt,<br>enter:<br><b>reload&lt;Return&gt;</b><br><br>Feedback: Proceed with reload? [confirm]  |   |
| 21.   | At the [confirm] prompt,<br>enter:<br><b>&lt;Return&gt;</b><br><br>Wait for the following prompt before continuing (approximately 1 minute).<br><br>Feedback: Press RETURN to get started! prompt appears. | This recycles power to the communication switch and reboots the software. |
| <p style="text-align: center;"><b>NOTE</b></p> <p>In the following step, once the message Press RETURN to get started is displayed and <b>&lt;Return&gt;</b> is not pressed in a timely manner, approximately eight more lines of text may be displayed, with the last line beginning with Compiled ....and ending with by .... This is normal.</p> |  |   |
| 22.   | At the Press RETURN to get started! prompt,<br>enter:<br><b>&lt;Return&gt;</b><br><br>Feedback: Switch> prompt appears.  |   |
| 23.   | At the Switch> prompt,<br>enter:<br><b>enable&lt;Return&gt;</b><br><br>Feedback: Switch# prompt appears.   |   |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step | Action/Response  | Comments  |
|------|--|---|
| 24.  | At the Switch# prompt,<br>enter:<br><b>format flash: &lt;Return&gt;</b><br><br>Feedback: Format operation may take a while. Continue? [confirm]  |   |
| 25.  | At the [confirm] prompt,<br>enter:<br><b>&lt;Return&gt;</b><br><br>Feedback: Format operation will destroy all data in "flash". Continue? [confirm]  |   |
| 26.  | At the [confirm] prompt,<br>enter:<br><b>&lt;Return&gt;</b><br><br>No immediate feedback will be noted. Data will be destroyed (approximately 45 seconds).<br><br>Feedback: Format of flash: complete<br>Switch# prompt will appear.         |   |
| 27.  | At the second Terminal window, click within the window to activate the window and perform the following:<br><br>At the /export/home/opupmgr> prompt, enter:<br><br><b>sudo chmod o+r /tftpboot/c2900XL.bin&lt;Return&gt;</b>                 |   |
| 28.  | In the first Terminal window, click within the window to active the window. At the Switch# prompt,<br>enter:<br><b>copy tftp://10.5.===.1/c2900XL.bin flash: &lt;Return&gt;</b><br><br>Feedback: Source IP address or hostname [10.5.===.1]? | Where === is the two or three digit site-specific third octet number of the IP address. Refer to <a href="#">ATTACHMENT 3</a> , step 2 for Large OPUP, or refer to <a href="#">ATTACHMENT 2</a> , step 2 for Medium OPUP, where the IP addresses were recorded. |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step | Action/Response  | Comments   |
|------|--|--|
| 29.  | <p>At the Source IP address or hostname [10.5.===.1]? prompt,<br/>enter:<br/><b>&lt;Return&gt;</b></p> <p>Feedback: Source filename [c2900XL.bin]?</p>   |  |
| 30.  | <p>At the Source filename [c2900XL.bin]? prompt,<br/>enter:<br/><b>&lt;Return&gt;</b></p> <p>Feedback: Destination filename [c2900XL.bin]?</p>   |  |
| 31.  | <p>At the Destination filename [c2900XL.bin]? prompt,<br/>enter:<br/><b>&lt;Return&gt;</b></p> <p>Wait while the c2900XL.bin file is loaded (approximately 1 minute).</p> <p>Feedback: Switch# prompt will return.</p> |  |
| 32.  | <p>At the Switch# prompt,<br/>enter:<br/><b>reload&lt;Return&gt;</b></p> <p>Feedback: Proceed with reload? [confirm]</p>   |  |
| 33.  | <p>At the [confirm] prompt,<br/>enter:<br/><b>&lt;Return&gt;</b></p> <p>Wait for the following prompt before continuing (approximately 1 minute).</p> <p>Feedback: Continue with configuration dialog? [yes/no]:</p>   | This recycles power to the communications switch and reboots the software. |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step   | Action/Response  | Comments  |
|--|--|---|
| <p style="text-align: center;"><b>NOTES</b></p> <p>In the following step, once the message <code>Continue with configuration dialog? [yes/no]</code> is displayed and <b>&lt;Return&gt;</b> is not pressed, approximately seven more lines of text may be displayed, with the last line beginning with <code>Compiled ....</code> and ending with <code>by ....</code>. This is normal. Press the <b>&lt;Return&gt;</b> key to redisplay the prompt.</p> |  |   |
| 34.  | At the <code>Continue with configuration dialog? [yes/no]</code> feedback line, enter:<br><b>y&lt;Return&gt;</b>   |   |
| 35.  | At the <code>Enter IP address: prompt</code> , enter:<br><b>10.5.===.3&lt;Return&gt;</b>   | Where === is the two or three digit site-specific third octet number of the IP address. Refer to <a href="#">ATTACHMENT 3</a> , step 2 for Large OPUP, or refer to <a href="#">ATTACHMENT 2</a> , step 2 for Medium OPUP, where the IP addresses were recorded. |
| 36.  | At the <code>Enter IP netmask: prompt</code> , enter:<br><b>255.255.255.0&lt;Return&gt;</b><br><br>Feedback: Would you like to enter a default gateway address? [yes]:   |   |
| 37.  | At the above prompt, enter:<br><b>n&lt;Return&gt;</b><br><br>Feedback: Enter host name [Switch]: prompt appears.   |   |
| 38.  | At the <code>Enter host name [Switch]: prompt</code> , enter:<br><b>opupcisco&lt;Return&gt;</b><br><br>Feedback: The enable secret is a one-way cryptographic secret used instead of the enable password when it exists.<br><br>Enter enable secret: prompt appears. |   |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step   | Action/Response  | Comments |
|--|--|----------|
| <p style="text-align: center;"><b>NOTE</b></p> <p>In the following step, after <b>opup4cisco</b> is entered, and <b>before</b> pressing the <b>&lt;Return&gt;</b> key, <b>verify</b> the entry is correct. If the entry is not correct and entered and the error was not noticed, then future uses of the correct Password will not allow the communication switch to be configured.</p> |  |          |
| 39.  | <p>At the Enter enable secret: prompt, enter:<br/><b>opup4cisco&lt;Return&gt;</b></p> <p>Feedback: Use this configuration? [yes/no]:</p> |          |
| 40.  | <p>At the above prompt, enter:<br/><b>y&lt;Return&gt;</b></p> <p>Feedback: Press RETURN to get started.</p>                              |          |
| 41.  | <p>At the Press RETURN to get started. prompt, enter:<br/><b>&lt;Return&gt;</b></p> <p>Feedback: opupcisco&gt; prompt appears.</p>       |          |
| 42.  | <p>At the opupcisco&gt; prompt enter:<br/><b>enable&lt;Return&gt;</b></p> <p>Feedback: Password: prompt appears.</p>                     |          |
| 43.  | <p>At the Password: prompt, enter:<br/><b>opup4cisco&lt;Return&gt;</b></p> <p>Feedback: opupcisco# prompt appears</p>                    |          |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step | Action/Response   | Comments |
|------|---|----------|
| 44.  | <p>At the second Terminal window, click within the window to active the window and perform the following:</p> <p>At the /export/home/opupmgr&gt; prompt, enter:<br/><b>sudo chmod o-r /ftpboot/c2900XL.bin&lt;Return&gt;</b></p> <p>At the /export/home/opupmgr&gt; prompt, enter:<br/><b>exit&lt;Return&gt;</b></p> <p>Feedback: Terminal window closes and the cursor moves to the other Terminal window.</p> |          |
| 45.  | <p>At the first Terminal window, click within the window to active the window.</p> <p>At the opupcisco# prompt, enter:<br/><b>conf t&lt;Return&gt;</b></p> <p>Feedback: Enter configuration commands, one per line. End with CNTL/Z., followed by a opupcisco(config) # prompt.</p>   |          |
| 46.  | <p>At the opupcisco(config) # prompt, enter:<br/><b>no snmp-server&lt;Return&gt;</b></p>  |          |
| 47.  | <p>At the opupcisco(config) # prompt, enter:<br/><b>no ip http server&lt;Return&gt;</b></p>   |          |
| 48.  | <p>At the opupcisco(config) # prompt, enter:<br/><b>line vty 0 15&lt;Return&gt;</b></p> <p>Feedback: opupcisco(config-line) # prompt appears.</p>   |          |
| 49.  | <p>At the opupcisco(config-line) # prompt, enter:<br/><b>no transport input&lt;Return&gt;</b></p>   |          |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step | Action/Response   | Comments |
|------|---|----------|
| 50.  | At the <code>opupcisco(config-line)#</code> prompt,<br>enter:<br><b>exit&lt;Return&gt;</b><br><br>Feedback: <code>opupcisco(config)#</code> prompt<br>appears.                                |          |
| 51.  | At the <code>opupcisco(config)#</code> prompt,<br>enter:<br><b>exit&lt;Return&gt;</b><br><br>Feedback: <code>opupcisco#</code> followed by a<br>Configured from console by console<br>prompt. |          |
| 52.  | At the Configured from console by console<br>prompt,<br>enter:<br><b>&lt;Return&gt;</b><br><br>Feedback: <code>opupcisco#</code> prompt appears.  |          |
| 53.  | At the <code>opupcisco#</code> prompt,<br>enter:<br><b>write mem&lt;Return&gt;</b>  |          |
| 54.  | At the <code>opupcisco#</code> prompt,<br>enter:<br><b>exit&lt;Return&gt;</b>   |          |
| 55.  | At the Press RETURN to get started. prompt,<br>enter:<br>~.<br><br>Feedback: [EOT] followed by # prompt appears.  |          |
| 56.  | At the # prompt,<br>enter:<br><b>exit&lt;Return&gt;</b><br><br>Feedback: <code>/export/home/opupmgr&gt;</code> prompt<br>appears.   |          |

## ATTACHMENT 4 (Continued)

## SWITCH CONFIGURATION LOAD PROCEDURES

| Step | Action/Response  | Comments |
|------|--|----------|
| 57.  | At the <code>/export/home/opupmgr&gt;</code> prompt, enter:<br><b>exit&lt;Return&gt;</b><br><br>Feedback: The <code>Terminal</code> window closes.       |          |
| 58.  | At the rear of the Communication Switch UD80A18, unplug the Cisco configuration cable from the CONSOLE port.   |          |
| 59.  | At the rear of the Dataserver UD80A11 (top server if Large OPUP), disconnect the Null Modem adapter (with Cisco configuration cable) from Serial A port. |          |
| 60.  | Complete <a href="#">ATTACHMENT 6</a> and return the information to the ROC.   |          |

ATTACHMENT 5

EFFECTIVITY

| NEXRAD Site Name                 | City, ST              | EQP  | SID  | ORG Code |
|----------------------------------|-----------------------|------|------|----------|
| <b>DoD</b>                       |                       |      |      |          |
| AF ACADEMIC MET DEPT (TRAINING)  | USAF ACADEMY, CO      | OPUP | AFF  | FE7000   |
| AF ACADEMY WEATHER UNIT          | USAF ACADEMY, CO      | OPUP | AFF  | FE7000   |
| ALTUS AFB                        | ALTUS AFB, OK         | OPUP | LTS  | FE4419   |
| ANDREWS AFB                      | ANDREWS AFB, MD       | OPUP | ADW  | FE4425   |
| BARKSDALE AFB (26 OWS)           | BARKSDALE AFB, LA     | OPUP | BRK  | FE4608   |
| BARKSDALE AFB LOCAL WEATHER UNIT | BARKSDALE AFB, LA     | OPUP | BRK1 | FE4608   |
| BASE X                           |                       | OPUP | LSV  | AFFTCB   |
| BUCKLEY AFB                      | BUCKLEY ANGB, CO      | OPUP | BKF  | FE6061   |
| CANNON AFB                       | CANNON AFB, NM        | OPUP | CVS  | FE4855   |
| DAVIS MONTHAN AFB (25 OWS)       | DAVIS MONTHAN AFB, AZ | OPUP | DMA  | FE4877   |
| DOBBINS ARB                      | DOBBINS AFB, GA       | OPUP | NCQ  | FE6703   |
| DYESS AFB                        | DYESS AFB, TX         | OPUP | DYS  | FE4661   |
| EGLIN AFB                        | EGLIN AFB, FL         | OPUP | VPS  | FE2823   |
| ELLSWORTH AFB                    | ELLSWORTH AFB, SD     | OPUP | RCA  | FE4690   |
| ELMENDORF AFB (11 OWS)           | ELMENDORF AFB, AK     | OPUP | EDF  | FE5000   |

## ATTACHMENT 5 (Continued)

## EFFECTIVITY

| NEXRAD Site Name              | City, ST                | EQP  | SID   | ORG Code |
|-------------------------------|-------------------------|------|-------|----------|
| FE WARREN AFB                 | FE WARREN AFB, WY       | OPUP | FEW   | FE4613   |
| FT BENNING                    | FT BENNING, GA          | OPUP | LSF   | FTBENN   |
| FT CARSON                     | FT CARSON, CO           | OPUP | FCS   | FTCARS   |
| FT RUCKER                     | FT RUCKER, AL           | OPUP | LOR   | FY4805   |
| GRISSOM ARB                   | GRISSOM AFB, IN         | OPUP | GUS   | FE4654   |
| HICKAM AFB (17 OWS)           | HICKAM AFB, HI          | OPUP | HIK   | FE5260   |
| HURLBURT FIELD                | HURLBURT FIELD, FL      | OPUP | HRT   | FE4417   |
| KEESLER AFB OPS TRNG OPUP #03 | KEESLER AFB, MS         | OPUP | BIX   | FE3010   |
| KEESLER AFB OPS TRNG OPUP #02 | KEESLER AFB, MS         | OPUP | BIX   | FE3010   |
| KEESLER AFB OPS TRNG OPUP #01 | KEESLER AFB, MS         | OPUP | BIX   | FE3010   |
| LAJES AB                      | LAJES AB, AZR           | OPUP | PLAL3 | FE4486   |
| MACDILL AFB                   | MACDILL AFB, FL         | OPUP | MCF   | FE4814   |
| MALMSTROM AFB                 | MALMSTROM AFB, MT       | OPUP | GFA   | FE4626   |
| MCAF QUANTICO                 | MCAF QUANTICO, VA       | OPUP | NYG   | M00262   |
| MCAS BEAUFORT                 | MCAS BEAUFORT, SC       | OPUP | NBC   | N60169   |
| MCAS CAMP PENDLETON           | MCAS CAMP PENDLETON, CA | OPUP | NFG   | M67604   |
| MCAS CHERRY PT                | MCAS CHERRY PT, NC      | OPUP | NKT   | N00146   |
| MCAS FUTENMA                  | MCAS FUTENMA, JA        | OPUP | NFO   | FH5270   |

## ATTACHMENT 5 (Continued)

## EFFECTIVITY

| NEXRAD Site Name   | City, ST               | EQP  | SID | ORG Code |
|--------------------|------------------------|------|-----|----------|
| MCAS KANEOHE BAY   | MCAS KANEOHE BAY, HI   | OPUP | NGF | N00318   |
| MCAS MIRAMAR       | MCAS MIRAMAR, CA       | OPUP | NKX | N60259   |
| MCAS NEW RIVER     | MCAS NEW RIVER, NC     | OPUP | NCA | N62573   |
| MCAS YUMA          | MCAS YUMA, AZ          | OPUP | NYL | M62974   |
| McCONNELL AFB      | McCONNELL AFB, KS      | OPUP | IAB | FE4621   |
| NAS BRUNSWICK      | NAS BRUNSWICK, ME      | OPUP | NHZ | N60087   |
| NAS CORPUS CHRISTI | NAS CORPUS CHRISTI, TX | OPUP | NGP | N65769   |
| NAS FALLON         | NAS FALLON, NV         | OPUP | NFL | N60495   |
| NAS FT WORTH       | NAS FT Worth, TX       | OPUP | NFW | N65770   |
| NAS KEY WEST       | NAS KEY WEST, FL       | OPUP | NQX | N65773   |
| NAS KINGSVILLE     | NAS KINGSVILLE, TX     | OPUP | NQI | N60241   |
| NAS LEMOORE        | NAS LEMOORE, CA        | OPUP | NLC | N63042   |
| NAS MAYPORT        | NAVSTA MAYPORT, FL     | OPUP | NRB | N00207   |
| NAS MERIDIAN       | NAS MERIDIAN, MS       | OPUP | NMM | N63043   |
| NAS NEW ORLEANS    | NAS NEW ORLEANS, LA    | OPUP | NBG | N00206   |
| NAS NORFOLK        | NAS NORFOLK, VA        | OPUP | NGU | N00188   |
| NAS NORTH ISLAND   | NAS NORTH ISLAND, CA   | OPUP | NZY | N00246   |
| NAS OCEANA         | NAS OCEANA, VA         | OPUP | NTU | N60191   |

## ATTACHMENT 5 (Continued)

## EFFECTIVITY

| <b>NEXRAD Site Name</b>         | <b>City, ST</b>            | <b>EQP</b> | <b>SID</b> | <b>ORG Code</b> |
|---------------------------------|----------------------------|------------|------------|-----------------|
| NAS PAX RIVER #1                | NAS PAX RIVER, MD          | OPUP       | NHK        | N04281          |
| NAS PAX RIVER #2                | NAS PAX RIVER, MD          | OPUP       | NHKZ       | N04281          |
| NAS PENSACOLA                   | NAS PENSACOLA, FL          | OPUP       | NPA        | N42101          |
| NAS WHIDBEY ISLAND              | NAS WHIDBEY ISLAND, WA     | OPUP       | NUW        | N00620          |
| NAS WHITING FIELD               | NAS WHITING FIELD, FL      | OPUP       | NDZ        | N65782          |
| NAS WILLOW GROVE                | NAS WILLOW GROVE, PA       | OPUP       | NXX        | N66471          |
| NAVCOMFAC JACKSONVILLE          | NAVCOMFAC JACKSONVILLE, FL | OPUP       | NIP        | N00207          |
| NAVY TRAINING DET KEESLER AFB   | KEESLER AFB, MS            | OPUP       |            |                 |
| NAWCWD POINT MUGU               | NAWCWD POINT MUGU, CA      | OPUP       | NTD        | N63126          |
| NAWS CHINA LAKE                 | NAWS CHINA LAKE, CA        | OPUP       | NID        | N60530          |
| NEOC NORFOLK                    | NEOC NORFOLK, VA           | OPUP       | NGU        | N63061          |
| NWOC PEARL HARBOR               | NWOC PEARL HARBOR, HI      | OPUP       | HNC        | N62363          |
| OFFUTT AFB                      | OFFUTT AFB, NE             | OPUP       | OFF        | FE4600          |
| OFFUTT AFB (OPS II TEST SYSTEM) | OFFUTT AFB, NE             | OPUP       | OFF        | FE4600          |
| PATRICK AFB                     | PATRICK AFB, FL            | OPUP       | COF        | FE2520          |
| PETERSON AFB                    | PETERSON AFB, CO           | OPUP       | COS        | FE2500          |
| SCOTT AFB (15 OWS)              | SCOTT AFB, IL              | OPUP       | BLV        | FE4407          |
| SHAW AFB (28 OWS)               | SHAW AFB, SC               | OPUP       | SSC        | FE4803          |

## ATTACHMENT 5 (Continued)

## EFFECTIVITY

| NEXRAD Site Name     | City, ST                 | EQP  | SID  | ORG Code |
|----------------------|--------------------------|------|------|----------|
| SHEPPARD AFB         | SHEPPARD AFB, TX         | OPUP | SPS  | FE3020   |
| SPAWAR CHARLESTON    | CHARLESTON, SC           | OPUP | SPA2 |          |
| SPAWAR SAN DIEGO     | SAN DIEGO, CA            | OPUP | SPA1 |          |
| TINKER AFB           | TINKER AFB, OK           | OPUP | TIK  | FE2037   |
| TYNDALL AFB          | TYNDALL AFB, FL          | OPUP | PAM  | FE4819   |
| VANCE AFB            | VANCE AFB, OK            | OPUP | END  | FE3029   |
| VANDENBERG AFB       | VANDENBERG AFB, CA       | OPUP | VBG  | FE4610   |
| WHITEMAN AFB         | WHITEMAN AFB, MO         | OPUP | SZL  | FE4625   |
| WRIGHT-PATTERSON AFB | WRIGHT-PATTERSON AFB, OH | OPUP | FFO  | FE2300   |
| YOKOTA AB (20 OWS)   | YOKOTA AB, JA            | OPUP | RJTY |          |

ATTACHMENT 6

OPUP SOFTWARE BUILD 6.0 COMPLETION FORM

Site Name: \_\_\_\_\_

Site Identifier: \_\_\_\_\_

Total Time to Complete this Modification Document: \_\_\_\_\_

Technician's Name(s): \_\_\_\_\_

Technician's Phone Number: \_\_\_\_\_

Date Completed: \_\_\_\_\_

Problem(s) Encountered:

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Upon completion of this form, return the information to the ROC using one of the four methods below:

1. Mailing Address: Program Branch, Configuration Management Team  
WSR-88D Radar Operations Center  
3200 Marshall Ave., Suite 101  
Norman, OK 73072-8028
2. FAX Number: (405) 573-3480  
ATTN: Configuration Management Team
3. E-mail Address: [NEXRAD.CM.comments@noaa.gov](mailto:NEXRAD.CM.comments@noaa.gov)
4. Web Version: <http://www.roc.noaa.gov/ssb/logistics/completion.asp>